Figure 2F

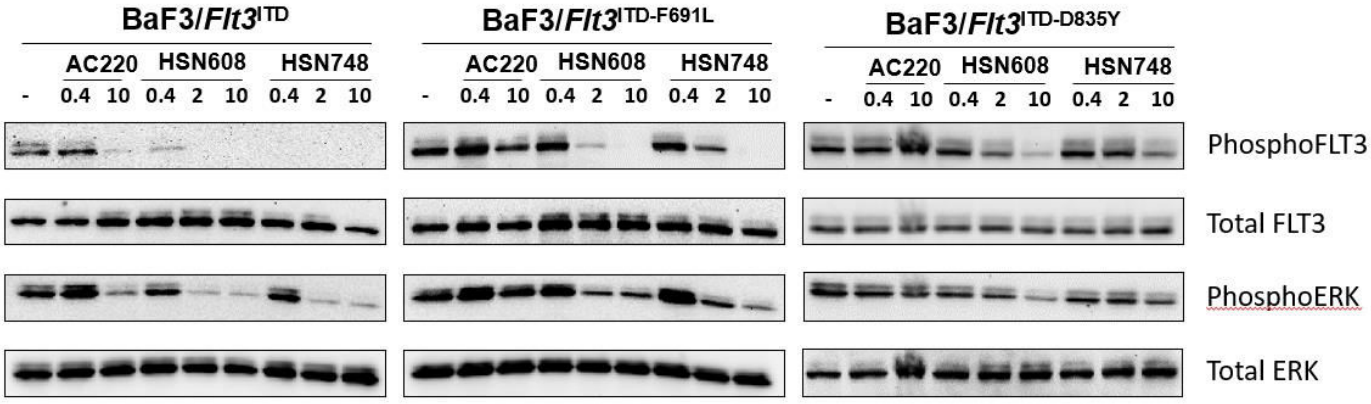
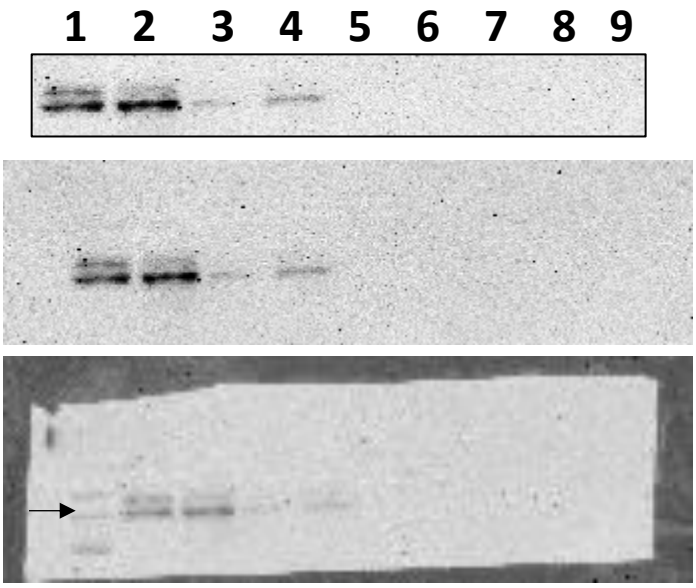

BaF3/Flt3ITD
BaF3/Flt3ITD-F691L
BaF3/Flt3ITD-D835Y
AC220
HSN608
HSN748
- 0.4 10 0.4 2 10 0.4 2 10
PhosphoFLT3
Total FLT3
PhosphoERK
Total ERK

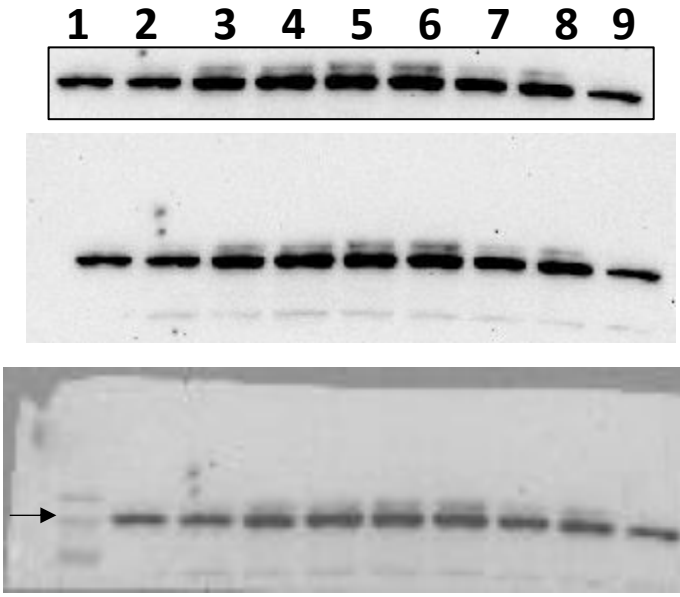
Figure 2F

BaF3/*Flt3*^{ITD}

PhosphoFLT3



Total FLT3

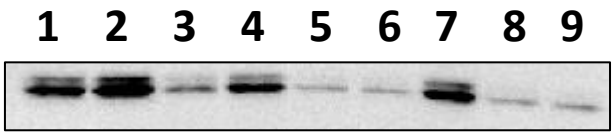


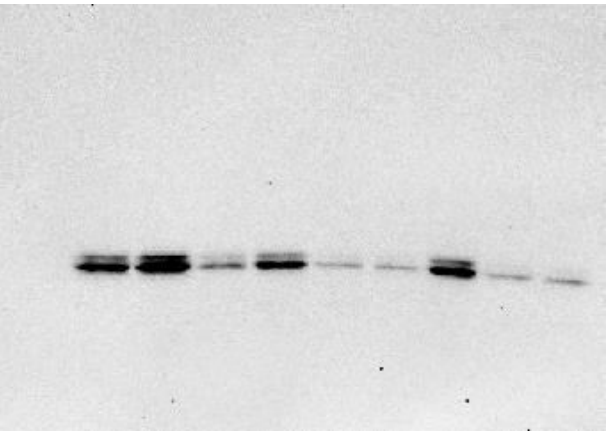
1- BaF3/*Flt3*^{ITD} - 0
2- BaF3/*Flt3*^{ITD} - 0.4nM AC220
3- BaF3/*Flt3*^{ITD} - 10nM AC220
4- BaF3/*Flt3*^{ITD} - 0.4nM HSN608
5- BaF3/*Flt3*^{ITD} - 2nM HSN608
6- BaF3/*Flt3*^{ITD} - 10nM HSN608
7- BaF3/*Flt3*^{ITD} - 0.4nM HSN748
8- BaF3/*Flt3*^{ITD} - 2nM HSN748
9- BaF3/*Flt3*^{ITD} - 10nM HSN748

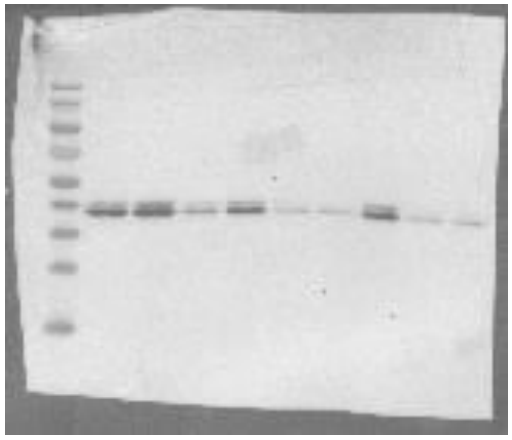
Figure 2F

BaF3/*Flt3*^{ITD}

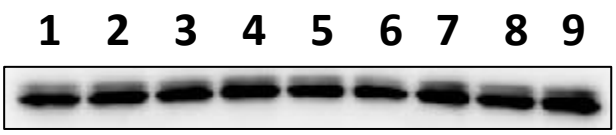
PhosphoERK

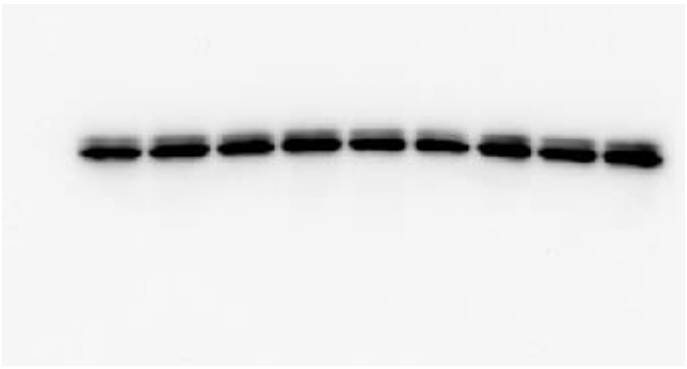


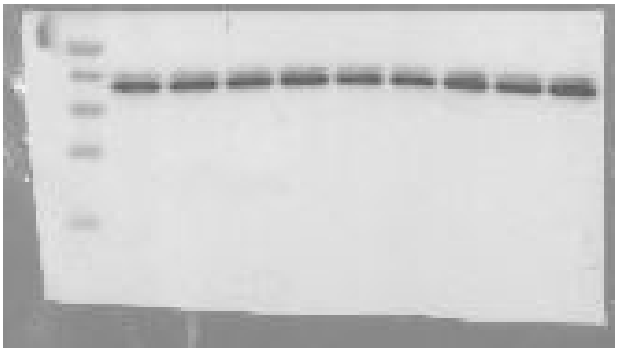




Total ERK





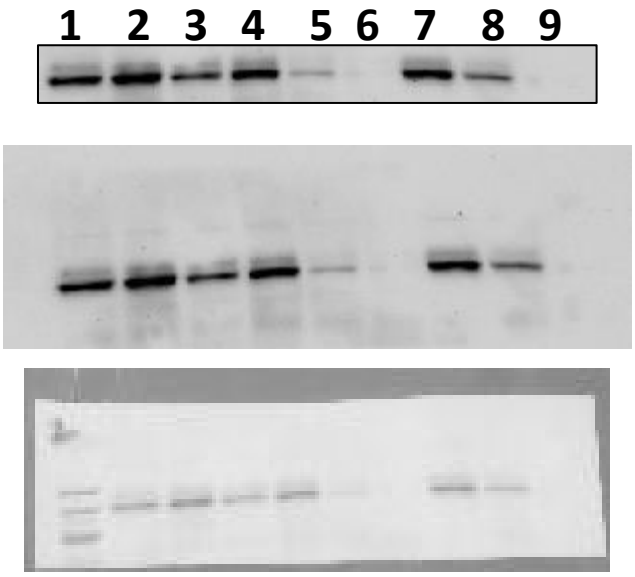


1- BaF3/*Flt3*^{ITD} - 0
2- BaF3/*Flt3*^{ITD} - 0.4nM AC220
3- BaF3/*Flt3*^{ITD} - 10nM AC220
4- BaF3/*Flt3*^{ITD} - 0.4nM HSN608
5- BaF3/*Flt3*^{ITD} - 2nM HSN608
6- BaF3/*Flt3*^{ITD} - 10nM HSN608
7- BaF3/*Flt3*^{ITD} - 0.4nM HSN748
8- BaF3/*Flt3*^{ITD} - 2nM HSN748
9- BaF3/*Flt3*^{ITD} - 10nM HSN748

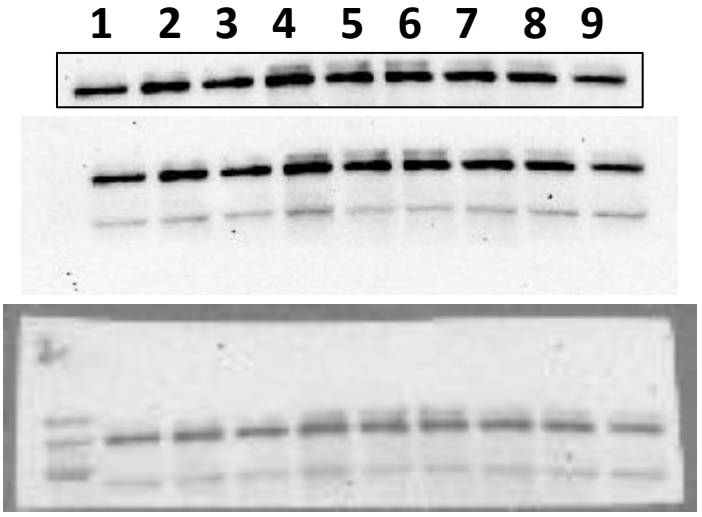
BaF3/*Flt3*$^{ITD-F691L}$

Figure 2F

PhosphoFLT3



Total FLT3

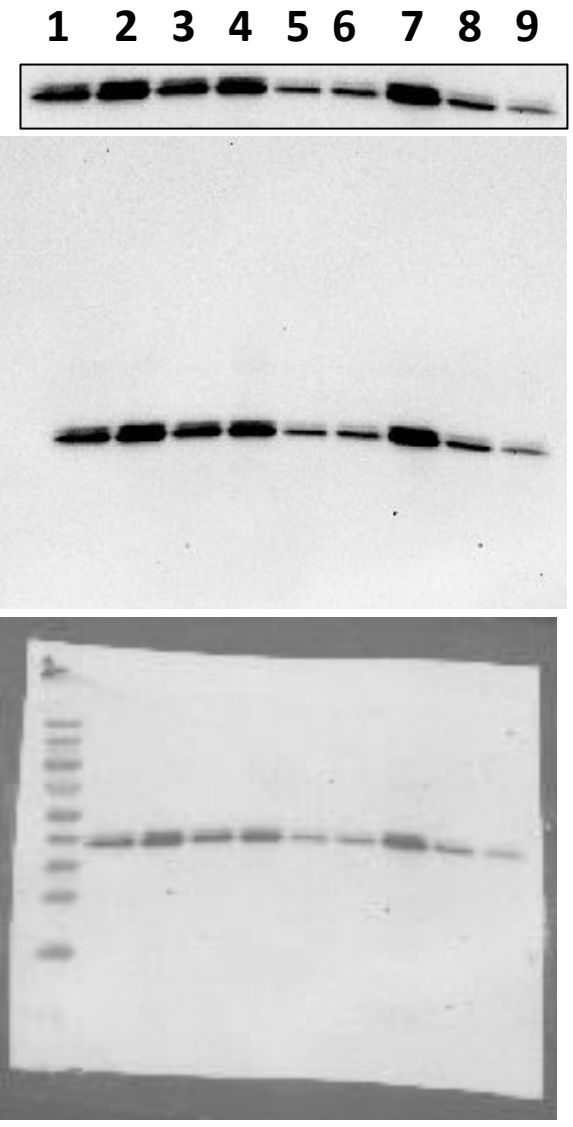


1- BaF3/*Flt3*$^{ITD-F691L}$ - 0
2- BaF3/*Flt3*$^{ITD-F691L}$ - 0.4nM AC220
3- BaF3/*Flt3*$^{ITD-F691L}$ - 10nM AC220
4- BaF3/*Flt3*$^{ITD-F691L}$ - 0.4nM HSN608
5- BaF3/*Flt3*$^{ITD-F691L}$ - 2nM HSN608
6- BaF3/*Flt3*$^{ITD-F691L}$ - 10nM HSN608
7- BaF3/*Flt3*$^{ITD-F691L}$ - 0.4nM HSN748
8- BaF3/*Flt3*$^{ITD-F691L}$ - 2nM HSN748
9- BaF3/*Flt3*$^{ITD-F691L}$ - 10nM HSN748

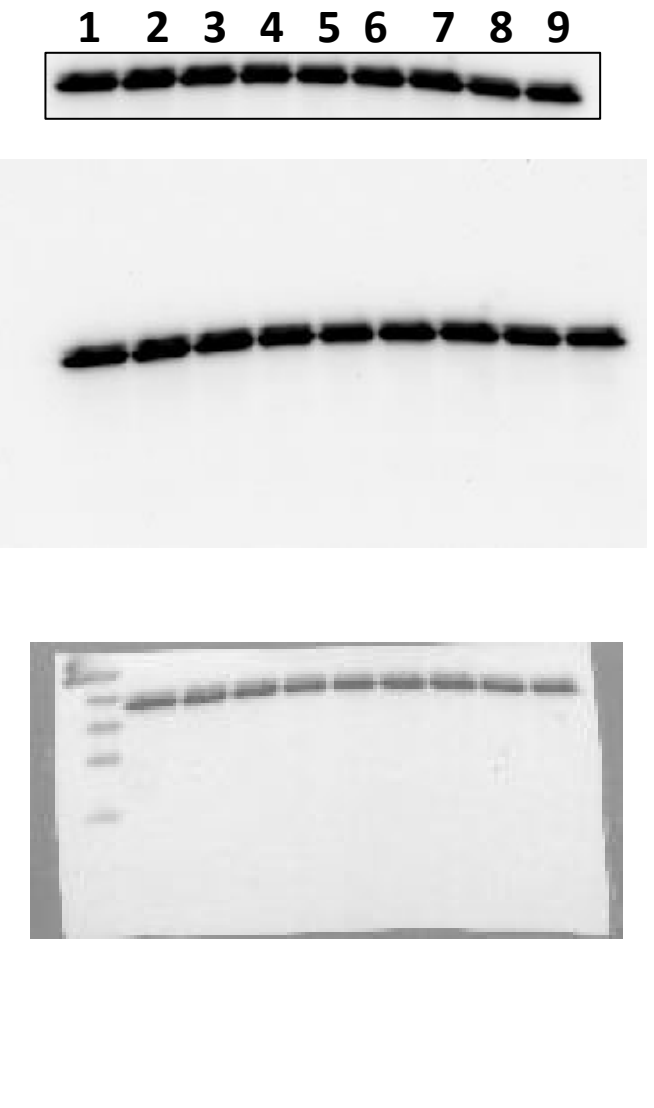
BaF3/*Flt3*$^{ITD-F691L}$

Figure 2F

PhosphoERK



Total ERK

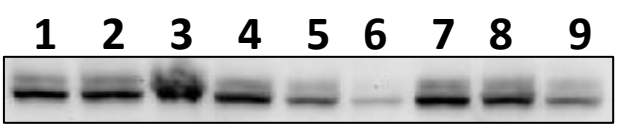


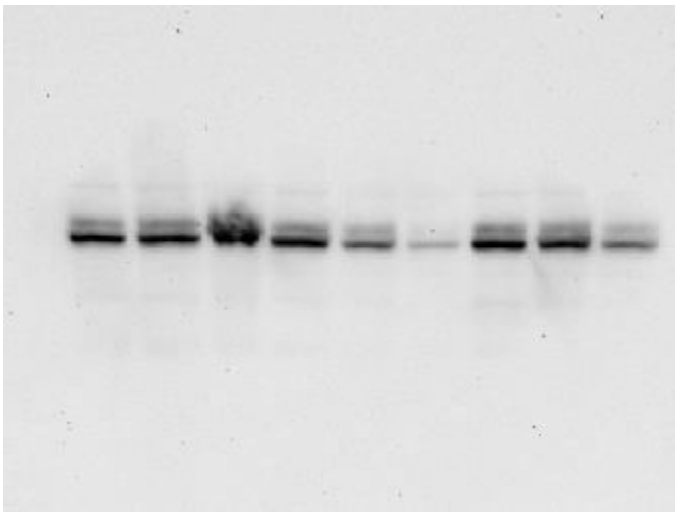
1- BaF3/*Flt3*$^{ITD-F691L}$ - 0
2- BaF3/*Flt3*$^{ITD-F691L}$ - 0.4nM AC220
3- BaF3/*Flt3*$^{ITD-F691L}$ - 10nM AC220
4- BaF3/*Flt3*$^{ITD-F691L}$ - 0.4nM HSN608
5- BaF3/*Flt3*$^{ITD-F691L}$ - 2nM HSN608
6- BaF3/*Flt3*$^{ITD-F691L}$ - 10nM HSN608
7- BaF3/*Flt3*$^{ITD-F691L}$ - 0.4nM HSN748
8- BaF3/*Flt3*$^{ITD-F691L}$ - 2nM HSN748
9- BaF3/*Flt3*$^{ITD-F691L}$ - 10nM HSN748

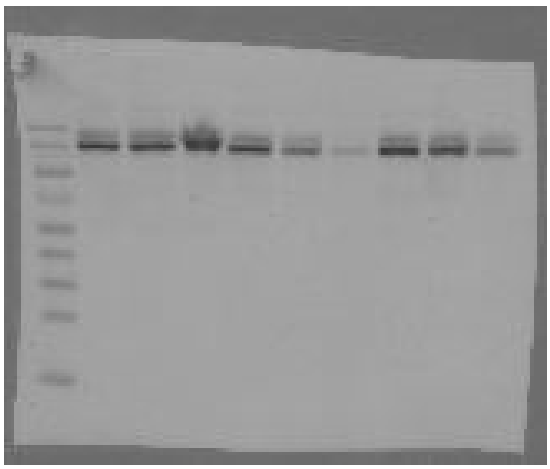
BaF3/*Flt3*$^{ITD-D835Y}$

Figure 2F

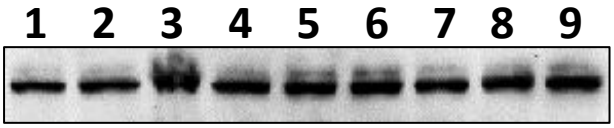
PhosphoERK

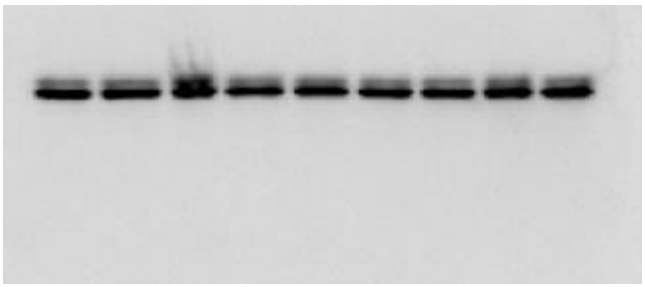


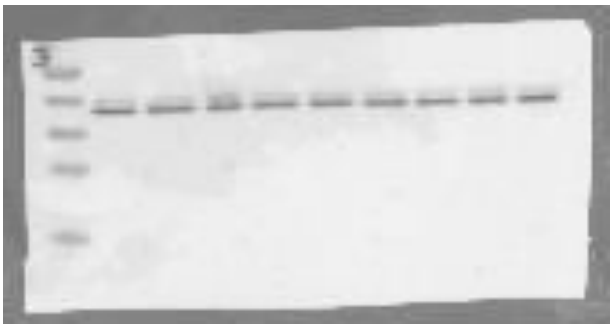




Total ERK





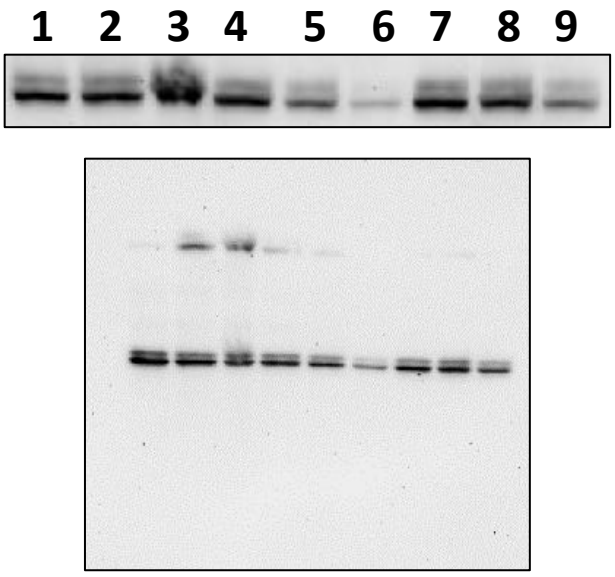


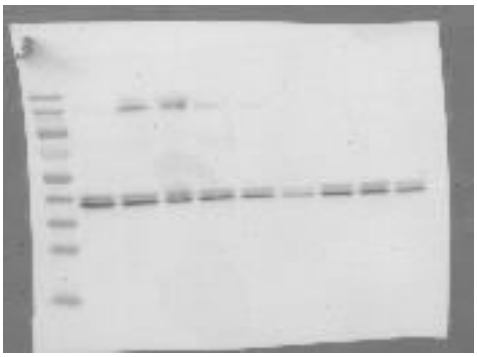
1- BaF3/*Flt3*$^{ITD-D835Y}$ - 0
2- BaF3/*Flt3*$^{ITD-D835Y}$ - 0.4nM AC220
3- BaF3/*Flt3*$^{ITD-D835Y}$ - 10nM AC220
4- BaF3/*Flt3*$^{ITD-D835Y}$ - 0.4nM HSN608
5- BaF3/*Flt3*$^{ITD-D835Y}$ - 2nM HSN608
6- BaF3/*Flt3*$^{ITD-D835Y}$ - 10nM HSN608
7- BaF3/*Flt3*$^{ITD-D835Y}$ - 0.4nM HSN748
8- BaF3/*Flt3*$^{ITD-D835Y}$ - 2nM HSN748
9- BaF3/*Flt3*$^{ITD-D835Y}$ - 10nM HSN748

BaF3/*Flt3*$^{ITD-D835Y}$

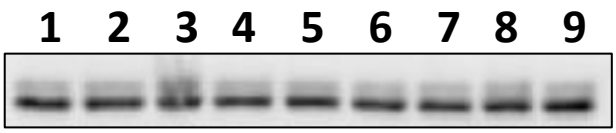
Figure 2F

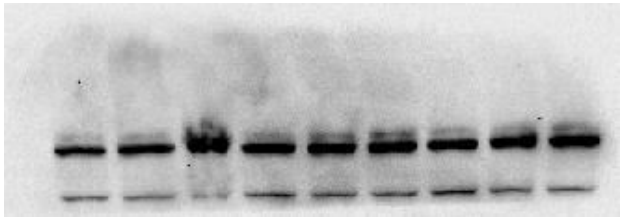
PhosphoFLT3

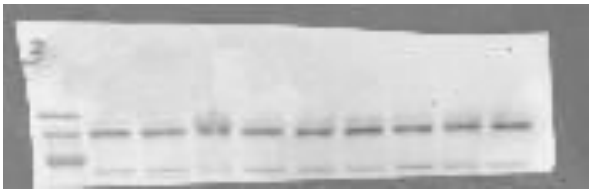




Total FLT3

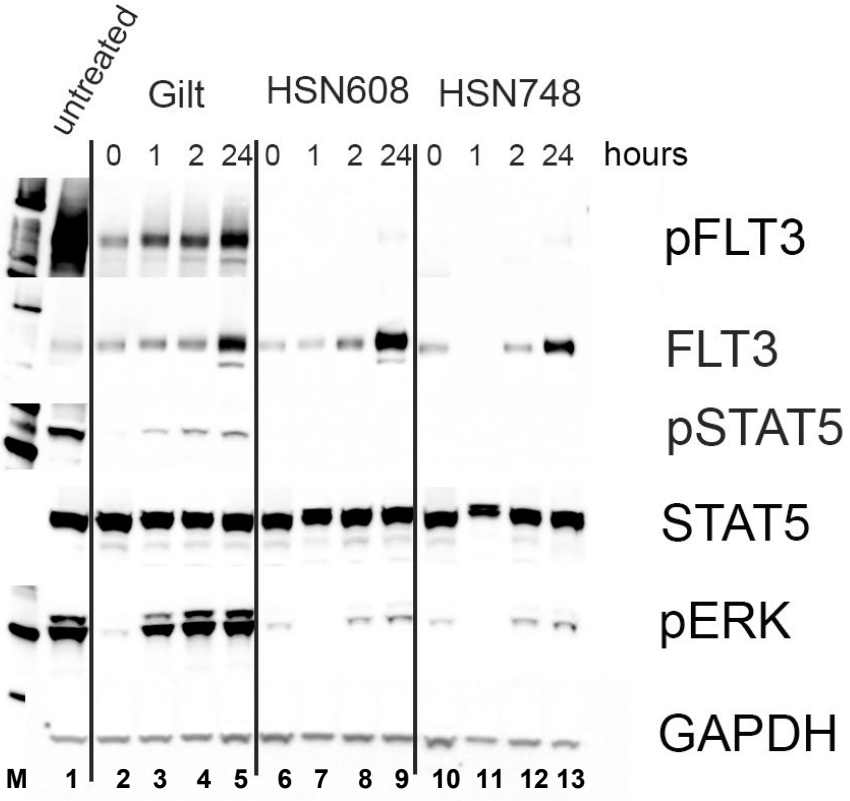






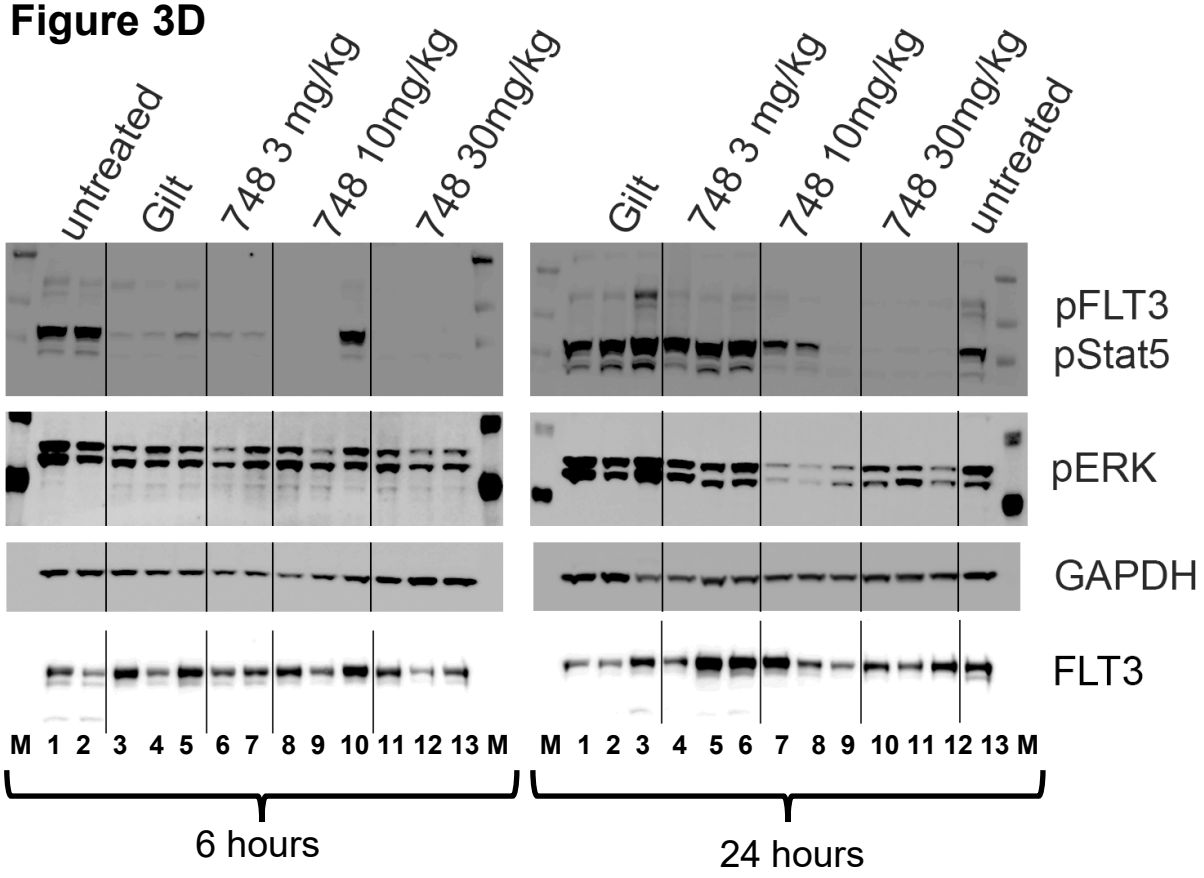
1- BaF3/*Flt3*$^{ITD-D835Y}$ - 0
2- BaF3/*Flt3*$^{ITD-D835Y}$ - 0.4nM AC220
3- BaF3/*Flt3*$^{ITD-D835Y}$ - 10nM AC220
4- BaF3/*Flt3*$^{ITD-D835Y}$ - 0.4nM HSN608
5- BaF3/*Flt3*$^{ITD-D835Y}$ - 2nM HSN608
6- BaF3/*Flt3*$^{ITD-D835Y}$ - 10nM HSN608
7- BaF3/*Flt3*$^{ITD-D835Y}$ - 0.4nM HSN748
8- BaF3/*Flt3*$^{ITD-D835Y}$ - 2nM HSN748
9- BaF3/*Flt3*$^{ITD-D835Y}$ - 10nM HSN748

Figure 2G



M Marker
1. MV411 cells Untreated
2. MV411 cells treated with Gilteritinib for 0 hour
3. MV411 cells treated with Gilteritinib for 1 hour
4. MV411 cells treated with Gilteritinib for 2 hour
5. MV411 cells treated with Gilteritinib for 24 hour
6. MV411 cells treated with HSN608 for 0 hour
7. MV411 cells treated with HSN608 for 1 hour
8. MV411 cells treated with HSN608 for 2 hour
9. MV411 cells treated with HSN608 for 24 hour
10. MV411 cells treated with HSN748 for 0 hour
11. MV411 cells treated with HSN748 for 1 hour
12. MV411 cells treated with HSN748 for 2 hour
13. MV411 cells treated with HSN748 for 24 hour

Figure 3D



Left side blot - 6 hours after drug administration

M	Marker
1 & 2	Lysates from Untreated control
3,4,5	Lysates from Gilteritinib treated mice
6 & 7	Lysates from 748 treated at dosage of 3mg/kg
8,9,10	Lysates from 748 treated at dosage of 10mg/kg
11,12,13	Lysates from 748 treated at dosage of 30mg/kg
M	Marker

Right side blot - 24 hours after drug administration

M	Marker
1,2,3	Lysates from Gilteritinib treated mice
4,5,6	Lysates from 748 treated at dosage of 3mg/kg
7,8,9	Lysates from 748 treated at dosage of 10mg/kg
10,11,12	Lysates from 748 treated at dosage of 30mg/kg
13	Lysates from Untreated control