

c-kit(Ab-936) Antibody

Catalog No: #21539

Package Size: #21539-1 50ul #21539-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

| | |
|-----------------------|---|
| Product Name | c-kit(Ab-936) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications | WB IHC |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous level of total c-Kit protein. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around aa.934~938 (H-I-Y-S-N) derived from Human c-Kit. |
| Target Name | c-kit |
| Other Names | KIT; CD117; SCFR; PBT; |
| Accession No. | Swiss-Prot: P10721NCBI Protein: NP_000213.1 |
| Uniprot | P10721 |
| GeneID | 3815; |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use. |

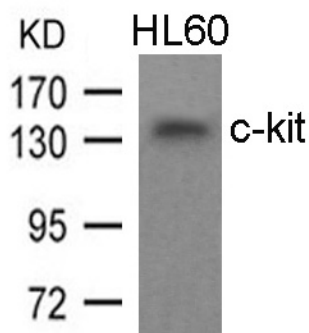
Application Details

Predicted MW: 145kd

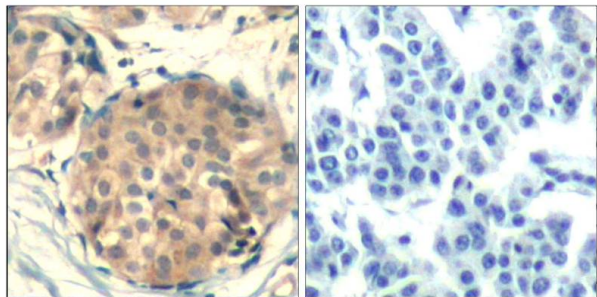
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HL60 cells using c-kit(Ab-936) Antibody #21539.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using c-kit(Ab-936) Antibody #21539(left) or the same antibody preincubated with blocking peptide(right).

Background

This is the receptor for stem cell factor (mast cell growth factor). It has a tyrosine-protein kinase activity. Binding of the ligands leads to the autophosphorylation of KIT and its association with substrates such as phosphatidylinositol 3-kinase (PI3K)

Martin, F.H. et al. (1990) Cell 63, 203-11.

Blume-Jensen, P. et al. (2000) Nat Genet 24, 157-62.

Gommerman, J.L. et al. (1997) J Biol Chem 272, 30519-25.

Nocka, K. et al. (1990) EMBO J 9, 1805-13.

Note: This product is for in vitro research use only