c-kit(Ab-936) Antibody

Catalog No: #21539

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

Signalway Antibody
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.
Conjugates	Unconjugated
Target Name	c-kit
Other Names	KIT; CD117; SCFR; PBT;
Accession No.	Swiss-Prot: P10721NCBI Protein: NP_000213.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.

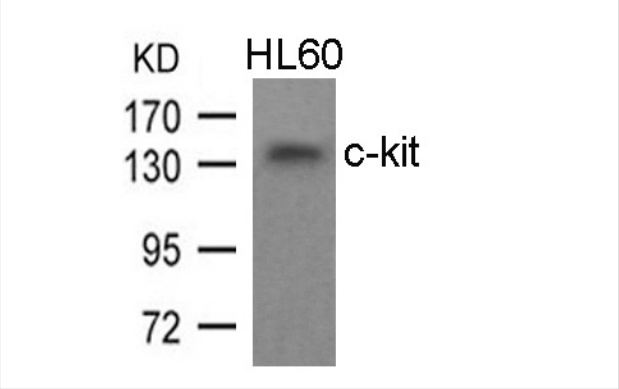
Application Details

Predicted MW: 145kd

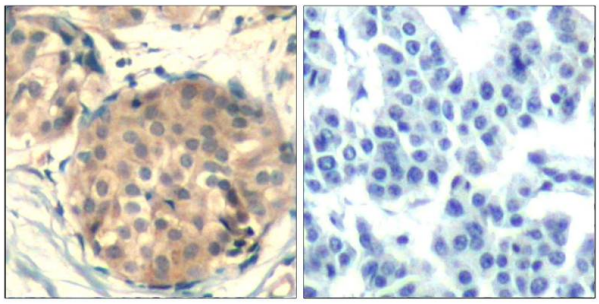
Western blotting: 1:500~1:1000

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.

Published Papers

el at., Characterization of Long-Term Cultured c-kit+ Cardiac Stem Cells Derived From Adult Rat Hearts. In Stem Cells Dev on 2010 Jan by Shinka Miyamoto, Nanako Kawaguchi, et al..PMID: 19580375

, , (2010)

PMID:19580375

Note: This product is for in vitro research use only and is not intended for use in humans or animals.