

c-Kit(Phospho-Tyr721) Antibody

Catalog No: #11240



Package Size: #11240-1 50ul #11240-2 100ul

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Description

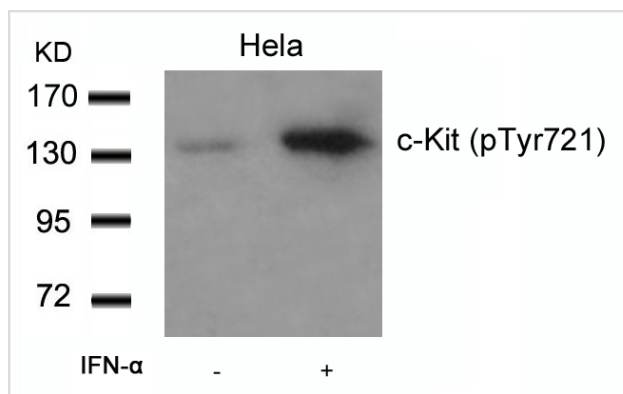
Product Name	c-Kit(Phospho-Tyr721) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Human
Specificity	The antibody detects endogenous level of c-Kit only when phosphorylated at tyrosine 721.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 721 (N-E-Y(p)-M-D) derived from Human c-Kit.
Conjugates	Unconjugated
Target Name	c-Kit
Modification	Phospho
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 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

Images



Western blot analysis of extracts from HeLa cells untreated or treated with IFN-α using c-Kit(Phospho-Tyr721) Antibody #11240.

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)

Nocka, K. et al. (1990) EMBO J. 9, 1805-1813.

Hirota, S. et al. (1998) Science 279, 577-580.

Blume-Jensen, P. et al. (2000) Nat. Genet. 24, 157-162.

Sattler, M. et al. (1997) J. Biol. Chem. 272, 10248-10253.

Gommerman, J.L. et al. (1997) J. Biol. Chem. 272, 30519-30525.

Published Papers

Xiao-ning Gao, Ji Lin, Li Gao et al., MicroRNA-193b regulates c-Kit proto-oncogene and represses cell proliferation in acute myeloid leukemia., Leukemia Research, 35(9):1226-1232(2011)

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Xiao-ning Gao, Ji Lin,

et al..PMID: 21724256 , , (2011)

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et al., MicroRNA-193a represses c-kit expression and functions as a methylation-silenced tumor suppressor in acute myeloid leukemia. In Oncogene on 2011 Aug 4 by X-N Gao, J Lin, et al..PMID: 21399664

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et al., S-allyl cysteine ameliorates the quality of sperm and provides protection from age-related sperm dysfunction and oxidative stress in rats.In J Clin Biochem Nutr on 2014 Nov by Shigekazu Takemura, Hiroshi Ichikawa et al..PMID: 25411519, , (2014)

[PMID:25411519](#)

et al., Stromal-derived MAOB promotes prostate cancer growth and progression. In Sci Adv on 2024 Feb 9 by Tianjie Pu, Jing Wang,et

al..PMID:38335292, , (2024)

[PMID:38335292](#)

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