

Datasheet for ABIN1531334
anti-KIT antibody (pTyr703)



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2 Images

Overview

Quantity:	100 µL
Target:	KIT
Binding Specificity:	AA 671-720, pTyr703
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human KIT around the phosphorylation site of Tyr703.
Isotype:	IgG
Specificity:	KIT (Phospho-Tyr703) Antibody detects endogenous levels of KIT only when phosphorylated at Tyr703. PhosphorylationH:Y703 M:Y702
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

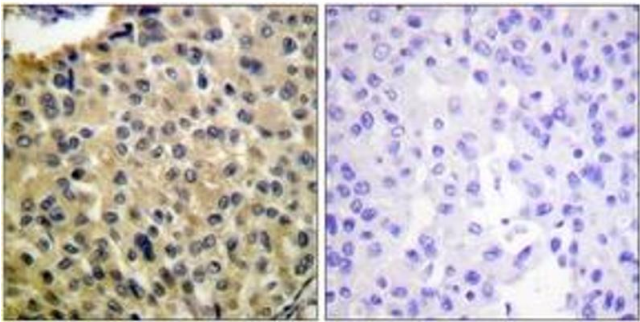
Target:	KIT
Alternative Name:	KIT (KIT Products)
Background:	Synonyms: SCFR, Proto-oncogene tyrosine-protein kinase Kit, c-kit, CD117 antigen NCBI Gene Symbol: KIT
Molecular Weight:	109 kDa
Gene ID:	3815
OMIM:	164920
UniProt:	P10721
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Sensory Perception of Sound , Stem Cell Maintenance , Production of Molecular Mediator of Immune Response , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:1000
Comment:	Unigene-Number: Hs.479754 (NCBI Gene Symbol: KIT)
Restrictions:	For Research Use only

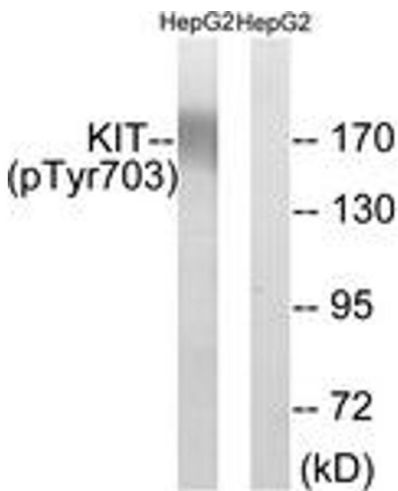
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Immunohistochemistry

Image 1. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using KIT (Phospho-Tyr703) Antibody. The picture on the right is treated with the synthesized peptide.



Western Blotting

Image 2. Western blot analysis of extracts from HepG2 cells treated with EGF 200ng/ml 30', using KIT (Phospho-Tyr703) Antibody. The lane on the right is treated with the synthesized peptide.