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anti-KIT antibody (Internal Region)



Images



Go to Product page

Overview

Quantity:	100 μg
Target:	KIT
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This KIT antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	KIT / CD117
Sequence:	KRDSFICSKQ EDH
Isotype:	IgG
Specificity:	This antibody is expected to recognize both reported isoforms (NP_000213.1, NP_001087241.1).
Cross-Reactivity:	Cow, Dog, Human, Pig
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Preservative:

Precaution of Use:

Target:	KIT
Alternative Name:	KIT (KIT Products)
Background:	KIT, v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog, C-Kit, CD117, PBT, SCFF
	mast/stem cell growth factor receptor Kit, p145 c-kit, piebald trait protein, proto-oncogene c-Ki
	proto-oncogene tyrosine-protein kinase Kit, soluble KIT varian
Gene ID:	3815
NCBI Accession:	NP_000213, NP_001087241
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:	Immunohistochemistry: Paraffin embedded Human Prostate. Recommended concentration:
	10 μg/mL.
	Western Blot: Approx 110 kDa band observed in Human Brain (Hippocampus) lysates
	(calculated MW of 110 kDa according to NP_000213.1). An additional band of unknown identit
	was also consistently observed at 35 kDa. This band was successfully blocked by incub
	Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the cytoplasm/ membranes of
	HEK293 and HeLa cells. Recommended concentration: 10μg/ml.
	Flow Cytometry: Flow cytometric analysis of MCF7 cells. Recommended co
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum
	albumin.

should be handled by trained staff only.

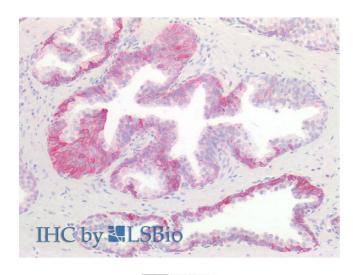
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Sodium azide

Handling

Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated
	at 4°C for a few weeks and still remain viable.

Images



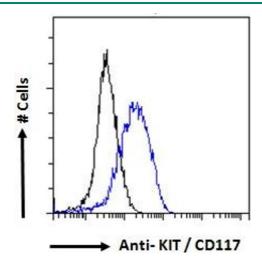
Immunohistochemistry

Image 1. ABIN1589992 ($10\mu g/ml$) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

Western Blotting

Image 2. ABIN1589992 (1 μ g/mL) staining of Human Hippocampus lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Flow Cytometry

Image 3. ABIN1589992 Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) fol

Please check the product details page for more images. Overall 6 images are available for ABIN1589992.