

Datasheet for ABIN3031556
anti-KIT antibody (pSer821)



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2 Images

Overview

Quantity:	0.4 mL
Target:	KIT
Binding Specificity:	pSer821
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIT antibody is un-conjugated
Application:	ELISA, Dot Blot (DB)

Product Details

Immunogen:	This phospho-Kit antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS821 of human c-Kit.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine, Pig
Purification:	Antigen affinity purified

Target Details

Target:	KIT
Alternative Name:	KIT (KIT Products)

Target Details

Background:	This gene encodes the human homolog of the proto-oncogene c-kit. C-kit was first identified as the cellular homolog of the feline sarcoma viral oncogene v-kit. This protein is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). Mutations in this gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene.
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:	Titration of the phospho-Kit antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Dot blot: 1:500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
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:	Aliquot the phospho-Kit antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



NP-Peptide

P-Peptide

Dot Blot

Image 1. Dot blot analysis of phospho-Kit antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.



NP-Peptide

P-Peptide

Dot Blot

Image 2. Dot blot analysis of phospho-Kit antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.