Datasheet for ABIN965728

anti-KIT antibody

3 Publications

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Overview

Quantity:	0.1 mL
Target:	KIT
Reactivity:	Human
Host:	Please inquire
Clonality:	Monoclonal
Conjugate:	This KIT antibody is un-conjugated
Application:	ELISA

Product Details

Isotype:	IgG1
Specificity:	Ni-NTA purified truncated recombinant C-kit expressed in E. Coli strain BL21 (DE3)
Purification:	Antibodies are purified by protein A affinity chromatography

Target Details

Target:	KIT
Alternative Name:	C-Kit (KIT Products)
Background:	C-kit (CD117,145kDa) functions as a tyrosine kinase receptor which becomes activated upon binding of its ligand SCF (stem-cell factor), the C-kit gene encodes the human homolog of the proto-oncogene ckit. which was first identified as the cellular homolog of the feline sarcoma viral oncogene v-kit. KIT is a type 3 transmembrane receptor for MGF (mast cell growth factor). Mutations in KIT are associated with gastrointestinal stromal tumors, mast cell disease, acute

Target Details

	myelogenous lukemia, and piebaldism.
Gene ID:	3815
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:	Dilution ELISA: Propose dilution 1: 10,000 Determining optimal working dilutions by titration test.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Storage:	-20 °C

Publications

Product cited in:	Mojica, Saxena, Starostik, Cheney: "CD117+ small cell lung cancer lacks the asp 816-->val point mutation in exon 17." in: **Histopathology**, Vol. 47, Issue 5, pp. 517-22, (2005) (PubMed). Tong, Liu, Zhang, Xiong, Liu, Zhang: "Expression of c-kit messenger ribonucleic acid and c-kit protein in sigmoid colon of patients with slow transit constipation." in: **International journal of colorectal disease**, Vol. 20, Issue 4, pp. 363-7, (2005) (PubMed). Nakai, Nonomura, Oka, Shiba, Arai, Nakayama, Inoue, Nishimura, Aozasa, Mizutani, Miki, Okuyama: "KIT (c-kit oncogene product) pathway is constitutively activated in human testicular germ cell tumors." in: **Biochemical and biophysical research communications**, Vol. 337, Issue 1, pp. 289-96, (2005) (PubMed).