antibodies -online.com





anti-KIT antibody (AA 26-285)



15

Publications



Go to Product page

()	1 /	\sim	rv	11/	11	Α
	1//	⊢	I \/	16	٦,	/\

Quantity:	100 μg
Target:	KIT
Binding Specificity:	AA 26-285
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Mast/stem cell growth factor receptor Kit(KIT) detection. Tested with WB, IHC-P, FCM in Human.
Immunogen:	E.coli-derived human c-Kit recombinant protein (Position: Q26-S285). Human c-Kit shares 66% amino acid (aa) sequence identity with mouse c-Kit.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Mast/stem cell growth factor receptor Kit(KIT) detection. Tested with WB, IHC-P, FCM in Human. Gene Name: v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog Protein Name: Mast/stem cell growth factor receptor Kit
Purification:	Immunogen affinity purified.

Target Details

KIT
KIT (KIT Products)
SCFR(Mast/stem cell growth factor receptor), also known as KIT ONCOGENE or CD117, is a protein that in humans is encoded by the KIT gene. KIT was first described as the cellular homolog of the feline sarcoma viral oncogene v-kit. The KIT gene is mapped on 4q12. Kit was expressed on the surface of germ cells up to the pachytene stage. Signaling from the KIT receptor tyrosine kinase is essential for primordial germ cell growth both in vivo and in vitro. Determination of the KIT effectors acting in primordial germ cells has been hampered by the lack of effective methods to manipulate easily gene expression in these cells. Synonyms: C Kit antibody C-Kit antibody CD 117 antibody CD117 antibody CD117 antigen antibody KIT antibody KIT oncogene antibody KIT_HUMAN antibody Mast cell growth factor receptor antibody Mast/stem cell growth factor receptor Kit antibody P145 c-kit antibody PBT antibody Piebald trait protein antibody Proto oncogene c Kit antibody Proto oncogene tyrosine protein kinase Kit antibody Proto-oncogene c Kit antibody SCF Receptor antibody SCFR antibody soluble KIT variant 1 antibody Steel Factor Receptor antibody Stem cell factor receptor antibody tyrosine protein kinase Kit antibody Tyrosine-protein kinase Kit antibody v kit Hardy Zuckerman 4 feline sarcoma viral oncogene homolog antibody v kit Hardy Zuckerman 4 feline sarcoma viral oncogene like protein antibody v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog antibody
3815
P10721
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
WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for c-Kit is approximately 0.25 ng/lane under reducing conditions. IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling

Application Details

	Notes: Tested Species: Species with positive results. Other applications have not been tested.	
	Optimal dilutions should be determined by end users.	
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by	
	ABIN921231 in IHC(P).	
Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.	
Concentration:	500 μg/mL	
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg 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.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.	
	It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing	
	and thawing.	
Publications		
Product cited in:	Yao, Zhao, Ou, Liang, Lin, Wang: "MicroRNA-214 Suppresses Osteogenic Differentiation of	
	Human Periodontal Ligament Stem Cells by Targeting ATF4." in: Stem cells international , Vol.	
	2017, pp. 3028647, (2017) (PubMed).	
	Wang, Wang, Dai, Chen, Yang, Dai, Ou, Wang, Lin: "Effects of Intermittent Administration of	
	Parathyroid Hormone (1-34) on Bone Differentiation in Stromal Precursor Antigen-1 Positive	
	Human Periodontal Ligament Stem Cells." in: Stem cells international , Vol. 2016, pp. 4027542, 2016) (PubMed).	
	Li, Chen, Peng, Zhou, Fang: "Pulsed electromagnetic fields protect the balance between	

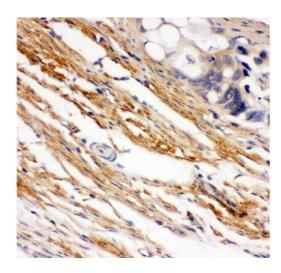
adipogenesis and osteogenesis on steroid-induced osteonecrosis of femoral head at the precollapse stage in rats." in: **Bioelectromagnetics**, Vol. 35, Issue 3, pp. 170-80, (2014) (PubMed).

Song, Yu, Zhao, Wei, Liu, Hu, Zhao, Yang, Wu: "The time-dependent manner of sinusoidal electromagnetic fields on rat bone marrow mesenchymal stem cells proliferation, differentiation, and mineralization." in: **Cell biochemistry and biophysics**, Vol. 69, Issue 1, pp. 47-54, (2014) (PubMed).

Mu, Lv, Wang, Ma, Ma, Liu, Yu, Mu: "Mechanical stress stimulates the osteo/odontoblastic differentiation of human stem cells from apical papilla via erk 1/2 and JNK MAPK pathways." in: **BioMed research international**, Vol. 2014, pp. 494378, (2014) (PubMed).

There are more publications referencing this product on: Product page

Images



Immunohistochemistry

Image 1. Anti- C-Kit Picoband antibody, IHC(P) IHC(P): Human Intestinal Cancer Tissue

100KD-

70KD-

55KD -

35KD-

25KD-

15KD-

Western Blotting

Image 2. Anti- C-Kit Picoband antibody, Western blotting All lanes: Anti C-Kit at 0.5ug/ml WB: Recombinan Human C-Kit Protein 0.5ng Predicted bind size: 49KD Observed bind size: 49KD



Western Blotting

Image 3. Anti- C-Kit Picoband antibody, Western blotting All lanes: Anti C-Kit at 0.5ug/ml WB: HEPG2 Whole Cell Lysate at 40ug Predicted bind size: 109KD Observed bind size: 109KD

Please check the product details page for more images. Overall 4 images are available for ABIN3042739.