Datasheet for ABIN213610

anti-KIT antibody (Extracellular Domain)

2 Images

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Overview

Quantity:	50 µg
Target:	KIT
Binding Specificity:	Extracellular Domain
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIT antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 16 amino acid peptide from extracellular domain of human c-Kit. Percent identity with other species by BLAST analysis: Human, Gorilla (100%), Gibbon, Monkey (94%), Marmoset, Mouse, Rat (88%), Hamster, Pig (81%). Type of Immunogen: Synthetic peptide
Specificity:	Human c-Kit. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla (100%) Gibbon, Monkey (94%) Marmoset, Mouse, Rat (88%) Hamster, Pig (81%).
Purification:	Immunoaffinity purified

Target Details

Target:	KIT
Alternative Name:	C-Kit / CD117 (KIT Products)
Background:	Name/Gene ID: KIT Subfamily: PDGF Receptor Family: Protein Kinase Synonyms: KIT, C-Kit, CD117, PBT, Piebald trait, Piebald trait protein, Proto-oncogene c-Kit, SCFR, Soluble KIT variant 1, Tyrosine-protein kinase Kit, p145 c-kit, CD117 antigen
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:	Approved: IHC, IHC-P (20 µg/mL) Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 20 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

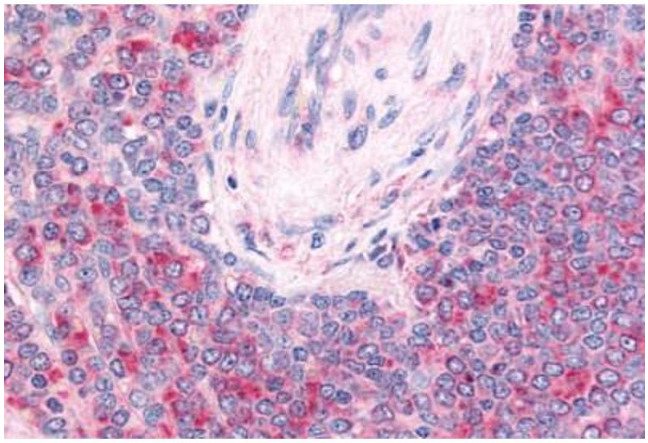
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide

Handling

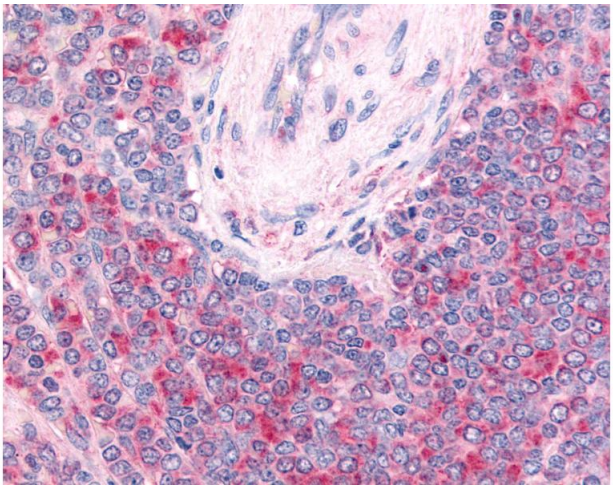
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Spleen, Central Artery and Lymphocytes Within Periarteriolar Lymphoid Sheaths (formalin-fixed, paraffin-embedded) stained with c-Kit antibody ABIN213610 at 20 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline ...



Immunohistochemistry

Image 2. Anti-c-Kit antibody IHC of human spleen, central artery and lymphocytes within periarteriolar lymphoid sheaths. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.