

Datasheet for ABIN3028783

anti-KIT antibody**5** Images[Go to Product page](#)

Overview

Quantity:	0.4 mL
Target:	KIT
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KIT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	This KIT antibody was produced from mice immunized with human KIT recombinant protein.
Clone:	566CT8-5-4
Isotype:	IgM
Purification:	Purified

Target Details

Target:	KIT
Alternative Name:	KIT (KIT Products)
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,

Target Details

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

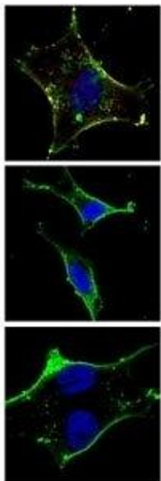
Application Details

Application Notes:	Titration of the KIT antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:100,Immunofluorescence: 1:10-1:100
Restrictions:	For Research Use only

Handling

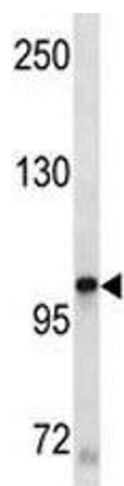
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the KIT antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



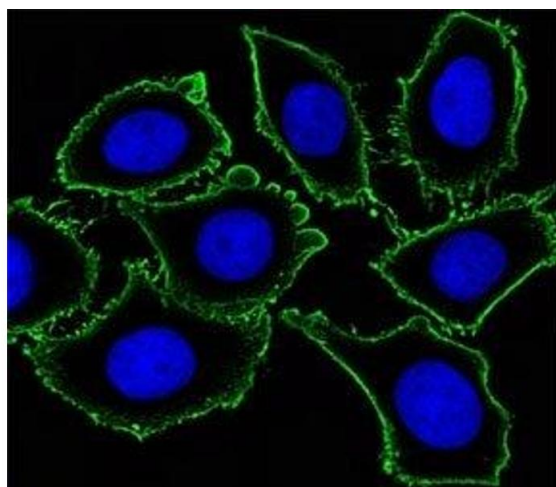
Immunofluorescence

Image 1. Fluorescent confocal image of SY5Y cells stained with KIT antibody at 1:50. Note the highly specific localization of the immunosignal to the membranes, especially the plasma membrane.



Western Blotting

Image 2. KIT antibody western blot analysis in A549 lysate



Immunofluorescence

Image 3. Immunofluorescent analysis of U251 cells using KIT antibody. Ab was diluted at 1:100 dilution. Dylight Fluor 488-conjugated goat anti-mouse IgG was used as the secondary Ab (green). Cytoplasmic actin was counterstained with Dylight Fluor 554 (red) conjugate

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3028783.