

Datasheet for ABIN3031702
anti-KIT antibody (AA 680-711)



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3 Images

Overview

Quantity:	0.4 mL
Target:	KIT
Binding Specificity:	AA 680-711
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 680-711 from the human protein was used as the immunogen for this CD117 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Pig
Purification:	Antigen affinity purified

Target Details

Target:	KIT
Alternative Name:	CD117 (KIT Products)
Background:	CD117 is a cytokine receptor expressed on the surface of hematopoietic stem cells as well as

Target Details

other cell types. Altered forms of this receptor may be associated with some types of cancer. It is a receptor tyrosine kinase type III, which binds to stem cell factor (a substance that causes certain types of cells to grow), also known as steel factor or c-kit ligand. When this receptor binds to stem cell factor (SCF) it forms a dimer that activates its intrinsic tyrosine kinase activity, that in turn phosphorylates and activates signal transduction molecules that propagate the signal in the cell. Signalling through CD117 plays a role in cell survival, proliferation, and differentiation. [Wiki]

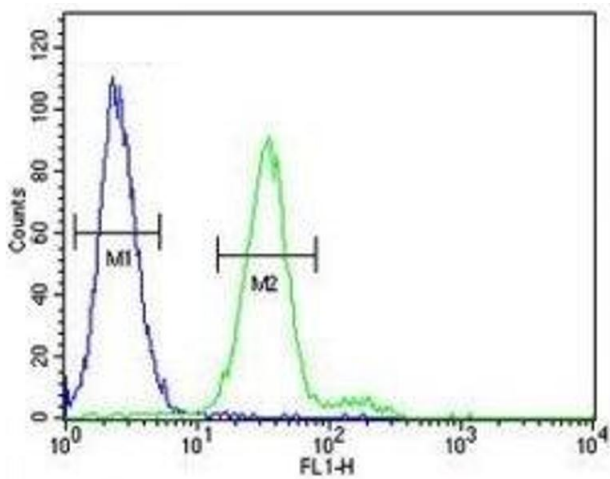
UniProt:	P10721
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Sensory Perception of Sound , Stem Cell Maintenance , Production of Molecular Mediator of Immune Response , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	Titration of the CD117 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Flow Cytometry: 1:10-1:50
Restrictions:	For Research Use only

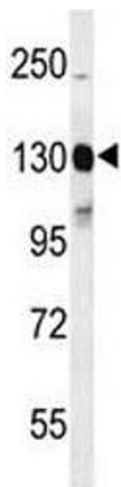
Handling

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 CD117 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



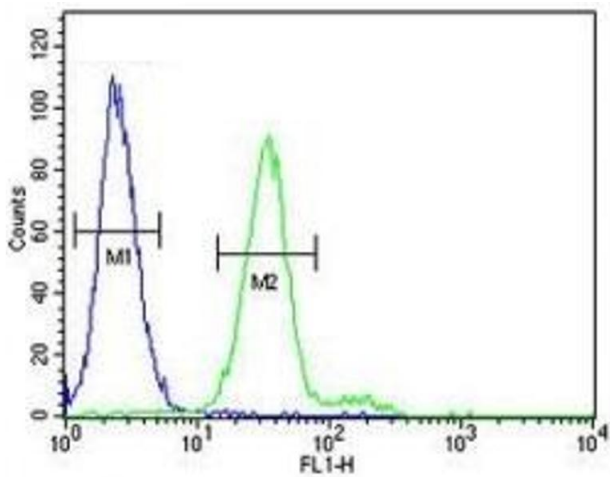
Flow Cytometry

Image 1. CD117 antibody flow cytometric analysis of 293 cells (green) compared to a negative control cell (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western Blotting

Image 2. Western blot analysis of CD117 antibody and mouse cerebellum tissue lysate.



Flow Cytometry

Image 3. CD117 antibody flow cytometric analysis of 293 cells (green) compared to a negative control cell (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.