

Rabbit CD117 (kit) Polyclonal Antibody | anti-CD117 (kit) antibody

Rabbit anti CD117/c-Kit (CT) Polyclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71440	Rabbit	Human, Mouse, Rat, Canine	Immunoprecipitation, ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CD117 (kit); Polyclonal Antibody; Rabbit anti CD117/c-Kit (CT) Polyclonal antibody; Rabbit anti--c-Kit (CT); Kit Protein; c-Kit; CD117 antigen; SCFR; PBT; anti-CD117 (kit) antibody

PRODUCT SPECIFICATIONS

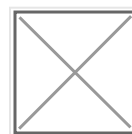
Host	Rabbit
Reactivity	Human, Mouse, Rat, Canine
Clonality	Polyclonal
Specificity	This antibody recognizes CD117/c-Kit protein. It cross- reacts to human, mouse and rat. The other species were not tested.
Purity/Purification	The Rabbit IgG is purified by Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer.
Applicable Applications for anti-CD117 (kit) antibody	IP (Immunoprecipitation), ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Antigen Preparation	A synthetic peptide derived from N-terminus of Kit protein. This sequence is identical in human, rat, mouse and dog origins.
Positive Control	Kidney Tissue
Cellular Location	Cell Membrane
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C to 8 degree C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry: Human lymphomacarcinoma (FFPE) stained with Rabbit anti-CD117/kit (Cat# AAA71440) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.



WB (Western Blot)

Western Blot: The whole cell lysate derived from Jurkat cell was separated in 10% SDS-PAGE, transferred onto NC membrane, and immunoblotted by Rabbit anti-CD117/c-Kit (CT) antibody (Cat#AAA71440) at 1:500 . An immunoreactive band around ~145 kDa was observed.

ADDITIONAL INFORMATION

Related Product Information for anti-CD117 (kit) antibody	Background: The c-Kit proto-oncogene encodes a 145 kDa transmembrane receptor (CD117) with tyrosine kinase activity that is structurally related to platelet-derived growth factor. C-Kit/CD117 antigen is expressed on almost all hematopoietic stem and progenitor cells. c-Kit regulates a variety of biological responses including cell proliferation, apoptosis, chemotaxis and adhesion. Ligand binding to the extracellular domain leads to autophosphorylation on several tyrosine residues within the cytoplasmic domain and activation. Mutations in c-Kit have been found to be important for tumor growth and progression in a variety of cancers including mast cell diseases, gastrointestinal stromal tumor, acute myeloid leukemia, Ewing sarcoma and lung cancer. C-kit plays an important role in hematopoiesis, melanogenesis, and gametogenesis.
References	Li J et al. Expression of c-Kit receptor tyrosine kinase and effect on beta-cell development in the human fetal pancreas. Am J Physiol Endocrinol Metab 293:E475-83 (2007).

NCBI AND UNIPROT INFORMATION

Molecular Weight	145 kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd117-kit-antibody-immunoprecipitation-flow-cytometry-immunohistochemistry-western-blot-elisa/71440>