



c-Kit/CD117 Rabbit mAb

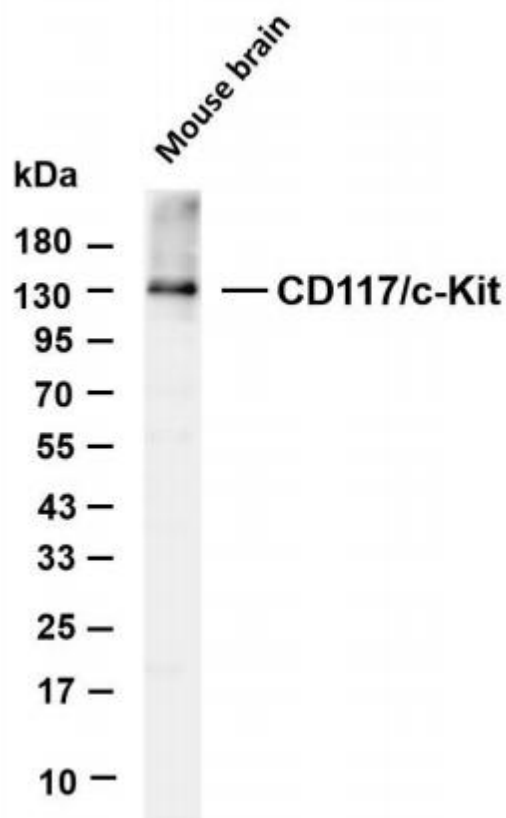
Catalog No	YP-rAb-17480
Isotype	IgG
Reactivity	Human,Mouse
Applications	WB,IF,IP,ELISA
Gene Name	KIT SCFR
Protein Name	C Kit;c-Kit;c-Kit Ligand;CD117;Kit;Kit Ligand;KIT oncogene;KIT proto oncogene receptor tyrosine kinase;KIT_HUMAN;Mast cell growth factor receptor;Mast/stem cell growth factor receptor Kit;MGF;p145 c-kit;PBT;Piebald trait protein;Proto oncogene c Kit;Proto oncogene tyrosine protein kinase Kit;Proto-oncogene c-Kit;SCF Receptor;SCFR;soluble KIT variant 1;Steel Factor Receptor;Stem cell factor receptor;tyrosine protein kinase Kit;Tyrosine-protein kinase Kit;v kit Hardy Zuckerman 4 feline sarcoma viral oncogene homolog;v kit Hardy Zuckerman 4 feline sarcoma viral oncogene like protein;v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:500-1:2000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200;
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	C Kit ; c-Kit ; c-Kit Ligand ; CD117 ; Kit ; Kit Ligand ; KIT oncogene ; KIT proto oncogene receptor tyrosine kinase ; KIT_HUMAN ; Mast cell growth factor receptor ; Mast/stem cell growth factor receptor Kit ; MGF ; p145 c-kit ; PBT ; Piebald trait protein ; Proto oncogene c Kit ; Proto oncogene tyrosine protein kinase Kit ; Proto-oncogene c-Kit ; SCF Receptor ; SCFR ; soluble KIT variant 1 ; Steel Factor Receptor ; Stem cell factor receptor ; tyrosine protein kinase Kit ; Tyrosine-protein kinase Kit ; v kit Hardy Zuckerman 4 feline sarcoma viral oncogene homolog ; v kit Hardy Zuckerman 4 feline sarcoma viral oncogene like protein ; v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
Observed Band	130kD
Calculated Molecular Weight	110kD



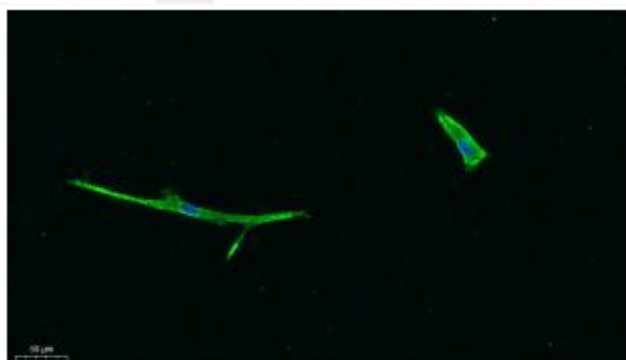


Cell Pathway	Cytoplasmic, Membranous
Tissue Specificity	Appendix
Function	Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,Disease:Defects in KIT are a cause of gastrointestinal stromal tumor (GIST) [MIM:606764].,Disease:Defects in KIT are a cause of piebaldism [MIM:172800]. Piebaldism is an autosomal dominant genetic developmental abnormality of pigmentation characterized by congenital patches of white skin and hair that lack melanocytes.,Disease:Defects in KIT have been associated with testicular tumors [MIM:273300]. It includes germ cell tumor (GCT) or testicular germ cell tumor (TGCT).,Function:This is the receptor for stem cell factor (mast cell growth factor). It has a tyrosine-protein kinase activity. Binding of the ligands leads to the autophosphorylation of KIT and its association with substrates such as phosphatidylinositol 3-kinase (Pi3K).,online information:CD117 entry,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 5 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Interacts with APS. Interacts with MPDZ (via the tenth PDZ domain). Interacts with PTPRU.,
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, acute myelogenous leukemia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

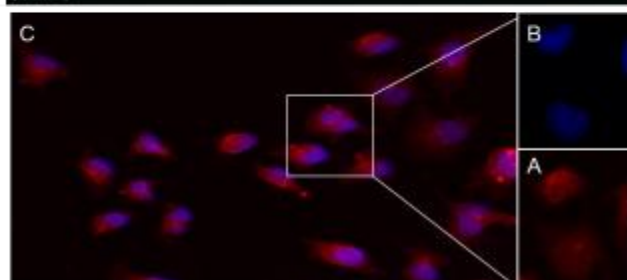




Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD117/c-Kit antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Mouse brain Predicted band size: 110kDa Observed band size: 130kDa



Immunofluorescence analysis of A549. 1, primary Antibody was diluted at 1:200 (4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000 (room temperature, 50min). 3, DAPI (blue) 10min.



Immunofluorescence analysis of HeLa . Picture A: CD117/c-Kit Rabbit mAb (red). Picture B: DAPI (blue). Picture C: Merge of A+B

