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Anti-CD117/c-Kit Rabbit mAb [50B87]

Catalog No.: A52046

Basic Information

Catalog No. (Cat.No.)	A52046
Host species	Rabbit
Reactivity	Human,Mouse
Applications	WB,IP,IF,ELISA
Synonyms	CD117/c-Kit,c-Kit / CD117,CD117,SCFR,c-Kit,p145KIT

Product Information

Target	CD117/c-Kit
Molecular Weight(Calculated)	110 kDa
Molecular Weight(Observed)	130 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	50B87
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:500-1:2000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Mast/stem cell growth factor receptor Kit
Gene Name	*KIT*
Domain	NA
Background	CD117/c-Kit (Proto-oncogene tyrosine-protein kinase Kit) belongs to class □ receptor tyrosine kinase family and transduces signaling triggered by stem cell factor SCF. SCF binding induces receptor dimerization and intracellular kinase domain autophosphorylation, activating downstream PI3K, MAPK cascades to govern survival, proliferation and differentiation of hematopoietic stem cells, mast cells, germ cells and melanocytes. Gain-of-function mutations of c-Kit drive gastrointestinal stromal tumor (GIST), certain leukemia and mast cell neoplasms. c-Kit serves as stem-lineage marker as well as oncogenic driver target;small-molecule inhibitors against c-Kit have achieved clinical application for GIST. It is widely used for stem cell profiling, mast cell identification and tumor pathological diagnosis.