

Product Name: KD-Validated c-Kit Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01739**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 109.9kDa

Antigen Information

Gene Name	KIT
Alternative Names	KIT; KIT Proto-Oncogene, Receptor Tyrosine Kinase; SCFR; V-Kit Hardy-Zuckerman 4 Feline Sarcoma Viral Oncogene Homolog; Mast/Stem Cell Growth Factor Receptor Kit ; CD117 ; PBT; Tyrosine-Protein Kinase Kit; Piebald Trait Protein; Proto-Oncogene C-Kit; EC 2.7.10.1; P145 C-Kit; C-Kit; V-Kit Hardy-Zuckerman 4 Feline Sarcoma Viral Oncogene-Like Protein ; Proto-Oncogene Tyrosine-Protein Kinase Kit; C-Kit Protooncogene; Piebald Trait; CD117 Antigen ; EC 2.7.10; MASTC; C-KIT
Gene ID	3815.0
SwissProt ID	P10721
Immunogen	A synthesized peptide derived from human c-Kit

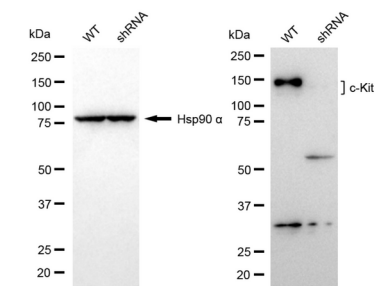
Background

This gene encodes a receptor tyrosine kinase. This gene was initially identified as a homolog of the feline sarcoma viral oncogene v-kit and is often referred to as proto-oncogene c-Kit. The canonical form of this glycosylated transmembrane protein has an N-terminal extracellular region with five immunoglobulin-like domains, a transmembrane region, and an intracellular tyrosine kinase domain at the C-terminus. Upon activation by its cytokine ligand, stem cell factor (SCF), this protein phosphorylates multiple intracellular proteins that play a role in the proliferation, differentiation, migration and apoptosis of many cell types and thereby plays an important role in hematopoiesis, stem cell maintenance, gametogenesis, melanogenesis, and in mast cell development, migration and function. This protein can be a membrane-bound or soluble protein. 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, May 2020]

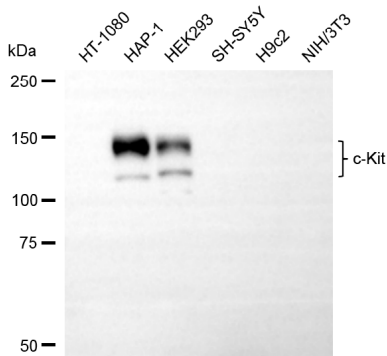
Research Area

Immunology, Tags & Cell Markers, Signal Transduction, Neuroscience, Stem Cells, Cancer, Developmental Biology, Neuroscience

Image Data



Western blotting analysis using c-Kit antibody (KVA01739). C-Kit expression in wild type (WT) and KIT shRNA knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with c-Kit antibody (KVA01739, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using c-kit antibody (KVA01739). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with c-kit antibody (KVA01739, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.