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## Summary

|                        |                               |
|------------------------|-------------------------------|
| <b>Production Name</b> | KIT Mouse Monoclonal Antibody |
| <b>Description</b>     | Mouse Monoclonal Antibody     |
| <b>Host</b>            | Mouse                         |
| <b>Application</b>     | WB,IHC,ELISA                  |
| <b>Reactivity</b>      | Human                         |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Unmodified   |
| <b>Isotype</b>      | Mouse IgG1   |
| <b>Clonality</b>    | Monoclonal   |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | PBS containing 0.03% sodium azide.   |
| <b>Purification</b> | Affinity Purification  |

## Immunogen

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | KIT   |
| <b>Alternative Names</b> | PBT; SCFR; C-Kit; CD117   |
| <b>Gene ID</b>           | 3815.0  |
| <b>SwissProt ID</b>      | P10721.Purified recombinant fragment of human KIT expressed in E. Coli. |

## Application

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB:1:500-1:2000,IHC:1:200-1:1000,ELISA:1:10000 |
| <b>Molecular Weight</b> | 145kDa   |

## Background

The c-Kit proto-oncogene is a member of the receptor tyrosine kinase family and, more specifically, is closely related to the

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**Catalog #: AMM81032**

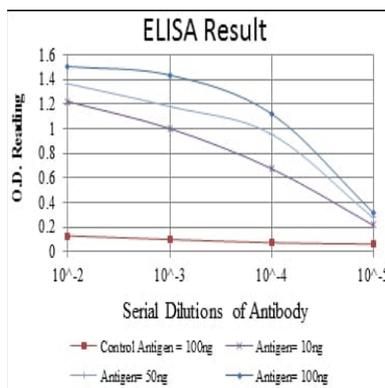


platelet derived growth factor receptor (PDGFR). c-Kit, the normal cellular homolog of the HZ4-feline sarcoma virus transforming gene (v-Kit), encodes a transmembrane receptor. c-Kit regulates a variety of biological responses including chemotaxis, cell proliferation, apoptosis and adhesion. c-Kit is also identical with the product of the W locus in mice and, as such, is integral to the development of mast cells and hematopoiesis. The ligand for the c-Kit receptor (KL) has been identified and is encoded at the murine steel (Sl) locus. Kit is the human homolog of the proto-oncogene c-Kit. Mutations in Kit are integral for tumor growth and progression in various cancers.

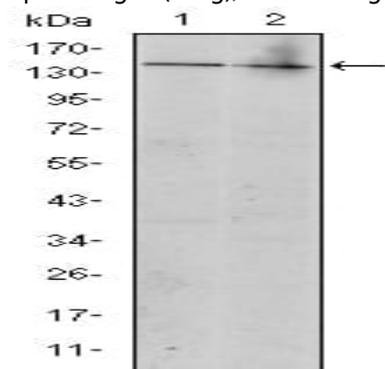
**Research Area**

PI3K-Akt signaling pathway, Hippo signaling pathway

**Image Data**

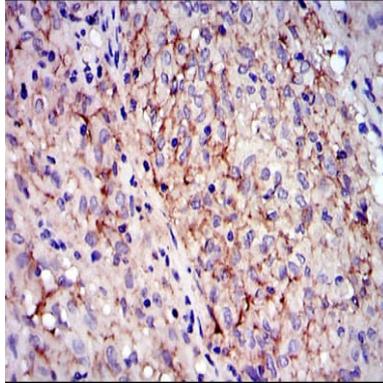


Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Western blot analysis using KIT mouse mAb against Jurkat (1) and HeLa (2) cell lysate.

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Immunohistochemical analysis of paraffin-embedded human gastrointestinal stromal tumor using KIT mouse mAb with DAB staining.

**Note**

For research use only.