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Research Use Only. Not for diagnostic or therapeutic use.

EB08457 - Goat Anti-KIT Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: KIT, v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog,

C-Kit, CD117, PBT, SCFR, mast/stem growth factor receptor, piebald trait,

proto-oncogene tyrosine-protein kinase Kit

Official Symbol: KIT

Accession Number(s): NP_000213.1; NP_001087241.1

Human GeneID(s): 3815

Important Comments: This antibody is expected to recognise both reported isoforms

(NP_000213.1; NP_001087241.1)

Immunogen

Peptide with sequence C-HHGDFNYERQAT, from the internal region of the protein sequence according to NP_000213.1; NP_001087241.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

IHC: Paraffin embedded Human Skin. Recommended concentration: 5µg/ml.

 ${\bf Immunofluorescence:}\ {\bf Strong}\ {\bf expression}\ {\bf of}\ {\bf the}\ {\bf protein}\ {\bf seen}\ {\bf in}\ {\bf the}\ {\bf cytoplasm}\ {\bf of}\ {\bf HEK293}$

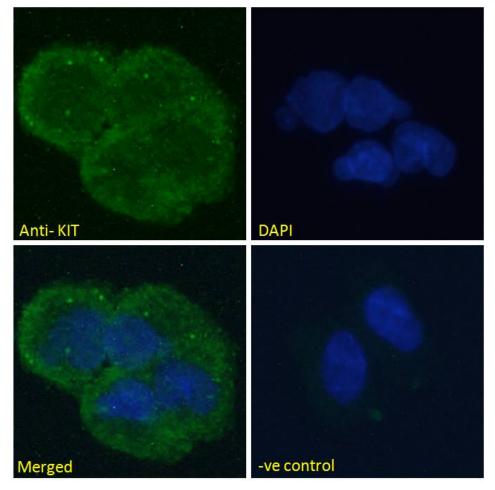
and in the membranes of NIH3T3 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of MCF7 cells. Recommended concentration: 10ug/ml.

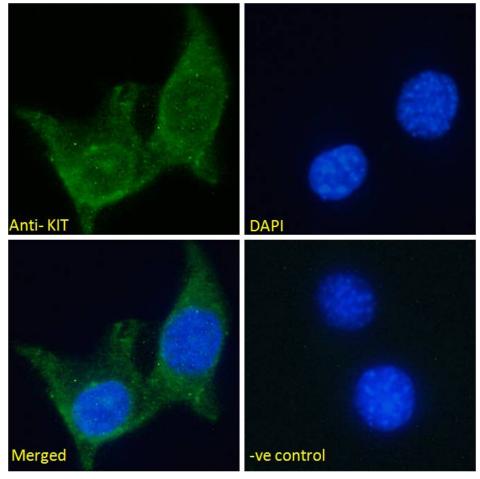
Species Reactivity

Tested: Human, Mouse

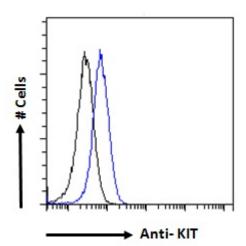
Expected from sequence similarity: Human



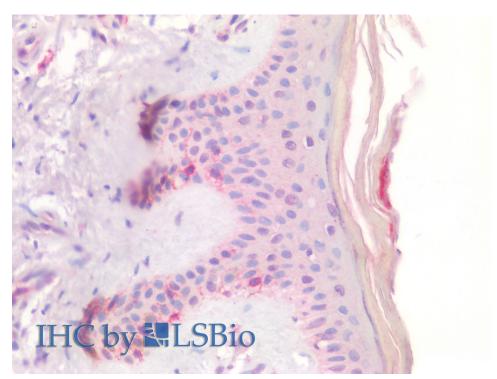
EB08457 Immunofluorescence analysis of paraformaldehyde fixed HEK293 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB08457 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB08457 Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB08457 (5 μ g/ml) staining of paraffin embedded Human Skin. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.