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10-6586: Mouse Monoclonal Antibody to KIT (Clone: 566CT8.5.4)(Discontinued)

Clonality :	Monoclonal
Clone Name :	566CT8.5.4
Application :	WB,IF
Reactivity :	Human
Gene :	KIT
Gene ID :	3815
Uniprot ID :	P10721
Format :	Purified
Alternative Name :	Mast/stem cell growth factor receptor Kit, SCFR, Piebald trait protein, PBT, Proto-oncogene c-Kit, Tyrosine-protein kinase Kit, p145 c-kit, v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog, CD117, KIT, SCFR
Isotype :	Mouse IgM
Immunogen Information :	Recombinant Protein

Description

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 lukemia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene.

Product Info

Amount :	80 µl / 400 µl
Content :	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.
Storage condition :	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots to prevent freeze-thaw cycles.

Application Note

WB~1:100|| IF~1:10~100

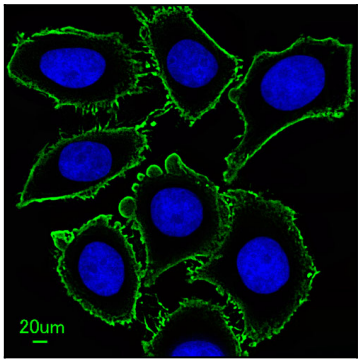


Figure 1: Immunofluorescent analysis of U251 cells, using KIT Antibody (10-6586). KIT Antibody was diluted at 1:100 dilution. Dylight Fluor 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Dylight Fluor® 554 (red) conjugated Phalloidin (red).

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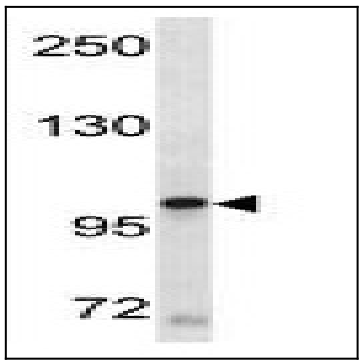


Figure 2: Western blot analysis of KIT Antibody (10-6586) in A549 cell line lysates (35Î¼g/lane). This demonstrates the KIT antibody detected the KIT protein.

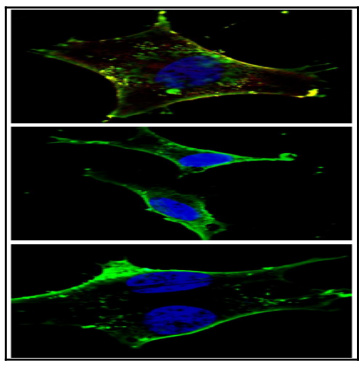


Figure 3: Fluorescent confocal image of an SY5Y cell stained with KIT antibody (10-6586). SY5Y cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min), then incubated with KIT primary antibody (1:500, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-mouse antibody (green) was used (1:1000, 1h). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin.

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