

Product datasheet for **TA324353S**

CD117 Mouse Monoclonal Antibody [Clone ID: 566CT8.5.4]

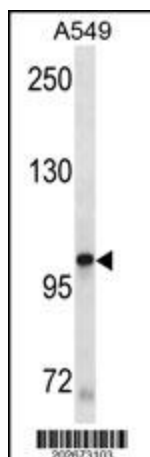
Product data:

Product Type:	Primary Antibodies
Clone Name:	566CT8.5.4
Applications:	IF, WB
Recommended Dilution:	IF: 1:10~50, WB: 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	This KIT Antibody is generated from mice immunized with human KIT recombinant protein.
Formulation:	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	109865 Da
Gene Name:	KIT proto-oncogene receptor tyrosine kinase
Database Link:	NP_000213 Entrez Gene 3815 Human P10721
Synonyms:	C-Kit; CD117; PBT; SCFR
Protein Families:	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Protein Kinase, Stem cell - Pluripotency, Transmembrane
Protein Pathways:	Acute myeloid leukemia, Cytokine-cytokine receptor interaction, Endocytosis, Hematopoietic cell lineage, Melanogenesis, Pathways in cancer

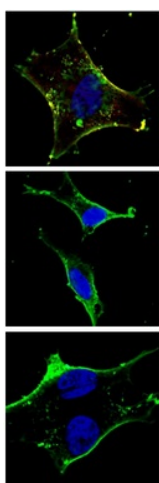


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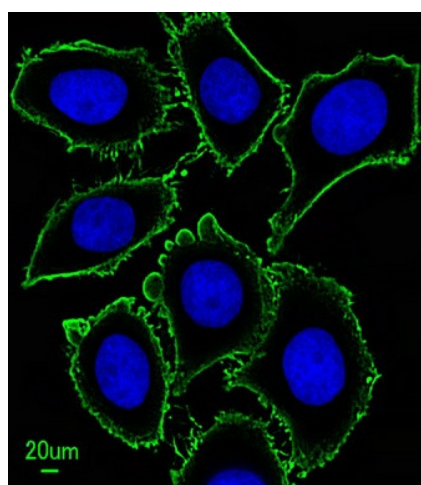
Product images:



KIT Antibody (Cat. #[TA324353]) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the KIT antibody detected the KIT protein (arrow).



IF image of an SY5Y cell stained with [TA324353] KIT antibody. SY5Y cells were incubated with [TA324353] KIT primary antibody (1:500). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-mouse antibody (green) was used (1:1000). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin. Nuclei were counterstained with Hoechst 33342 (blue). Note the highly specific localization of the KIT immunosignal to the membranes, especially the plasma membrane.



Immunofluorescent analysis of U251 cells, using KIT Antibody (Cat. #[TA324353]). [TA324353] 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).