

## Product datasheet for **TA327908**

### CD117 Rabbit Polyclonal Antibody

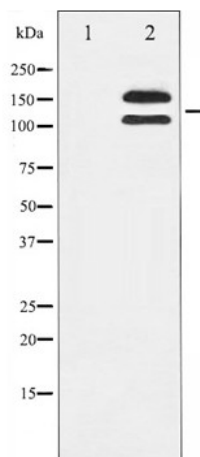
#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-1:2000
Reactivity:	Human, Mouse, Rat
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthesized peptide derived from human c-Kit around the phosphorylation site of Tyrosine 721.
Formulation:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Concentration:	lot specific
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific peptide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	120,145 kDa
Gene Name:	KIT proto-oncogene receptor tyrosine kinase
Database Link:	<a href="#">NP_001087241</a> <a href="#">Entrez Gene 16590 Mouse</a> <a href="#">Entrez Gene 64030 Rat</a> <a href="#">Entrez Gene 3815 Human</a> <a href="#">P10721</a>
Background:	KIT 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. KIT is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). Mutations in KIT are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism.



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<b>Synonyms:</b>	C-Kit; CD117; PBT; SCFR
<b>Note:</b>	Phospho-c-Kit (Tyr721) Antibody detects endogenous levels of c-Kit only when phosphorylated at Tyrosine 721.
<b>Protein Families:</b>	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Protein Kinase, Stem cell - Pluripotency, Transmembrane
<b>Protein Pathways:</b>	Acute myeloid leukemia, Cytokine-cytokine receptor interaction, Endocytosis, Hematopoietic cell lineage, Melanogenesis, Pathways in cancer

**Product images:**

Western blot analysis of c-Kit phosphorylation expression in HeLa whole cell lysates, The lane on the left is treated with the antigen-specific peptide.