

## Product datasheet for **TA320402**

### CD117 Rat Monoclonal Antibody [Clone ID: ACK2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	ACK2
Recommended Dilution:	Flow, IHC, Functional Assay, IP, WB
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	kit oncogene
Database Link:	<a href="#">NP_066922</a> <a href="#">Entrez Gene 16590 Mouse P05532</a>
Background:	The ACK2 monoclonal antibody reacts with mouse CD117, also known as c-Kit receptor, Steel factor receptor and stem cell factor receptor. A member of the tyrosine kinase receptor family, this 145 kDa molecule is expressed by a majority of hematopoietic progenitor cells characterized in the mouse bone marrow as a small subset of cells positive for Sca-1 and Thy1 (Thy1lo) and negative for lineage markers. The interaction of the mouse c-kit receptor and steel factor promotes the proliferation and differentiation of hematopoietic progenitor cells. CD117 is also expressed by mast cells and plays a role in signaling and activation of these cells. ACK2 has been reported to be a blocking antibody.
Synonyms:	C-Kit; CD117; PBT; SCFR



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