

Basic Information

Product Name	Anti-c-Kit/CD117/KIT Antibody (Clone#CGF-11)
Gene Name	KIT
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human c-Kit
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	145 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC):1:50-200

Storage

12 months from date of receipt, -20°C as supplied.

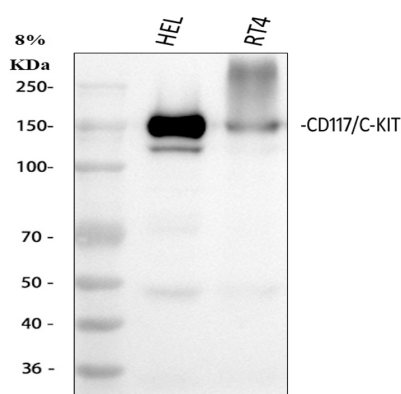
Background Information

SCFR(Mast/stem cell growth factor receptor), also known as KIT ONCOGENE or CD117, is a protein that in humans is encoded by the KIT gene. KIT was first described as the cellular homolog of the feline sarcoma viral oncogene v-kit. The KIT gene is mapped on 4q12. Kit was expressed on the surface of germ cells up to the pachytene stage. Signaling from the KIT receptor tyrosine kinase is essential for primordial germ cell growth both in vivo and in vitro. Determination of the KIT effectors acting in primordial germ cells has been hampered by the lack of effective methods to manipulate easily gene expression in these cells.

Reference

Anti-c-Kit/CD117/KIT Antibody (Clone#CGF-11)被引用在1文献中。

Selected Validation Data



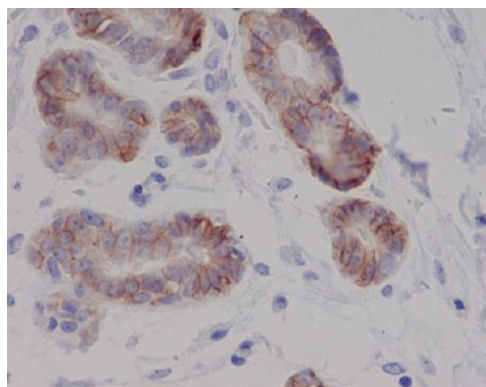
Western blot analysis of anti-c-Kit/CD117/KIT antibody (BM4234). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HEL whole cell lysates,

Lane 2: human RT4 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-c-Kit/CD117/KIT antigen affinity purified monoclonal antibody (BM4234) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for c-Kit/CD117/KIT at approximately 145 kDa. The expected band size for c-Kit/CD117/KIT is at 110 kDa.



Immunohistochemical analysis of paraffin-embedded human breast cancer, using c-Kit Antibody .