

## KIT (K642E)

**Catalog Number:** 26278

**Gene Symbol:** C-Kit; CD117; KIT; PBT; SCFR

**Description:** Anti-KIT (K642E) Mouse Monoclonal Antibody

**Background:** Tyrosine-protein kinase Kit, also known as proto-oncogene c-Kit or CD117 or Mast/stem cell growth factor receptor (SCFR), is a receptor tyrosine kinase protein that in humans is encoded by the KIT gene. Activating mutations in this gene are associated with gastrointestinal stromal tumors, testicular seminoma, mast cell disease, melanoma, acute myeloid leukemia, while inactivating mutations are associated with the genetic defect piebaldism.

**Immunogen:** A synthetic peptide from the internal region of KIT which includes the mutation of K642E, human origin.

**Tested applications:** ELISA, WB

**Recommended dilutions:**

ELISA: 1:1000-1:5000

WB: 1:500-1:1000

**Concentration:** 1 mg/ml

**Host:** Mouse

**Clonality:** Monoclonal

**Purity:** Purified from ascites

**Format:** Liquid

**Storage buffer:**

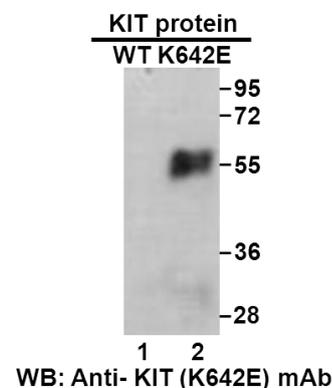
Preservative: no

Constituents: PBS (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150 mM NaCl, 50% glycerol

**Species Reactivity:** Recognizes K642E mutant, but not wild-type KIT of vertebrates.

**Storage Conditions:** Store at  $-20^{\circ}C$ . Avoid freeze / thaw cycles.

### Western blot:



**Western blot analysis of recombinant KIT (K642E) and wildtype proteins.** Purified His-tagged KIT (K642E) protein (lane 2) and corresponding wildtype protein (lane 1) were blotted with anti-KIT (K642E) monoclonal antibody (Cat. #26278).