



# B-Raf

## Mouse monoclonal Antibody

### #53140

**Catalog Number:** 53140

**Amount:** 100µg/100µl

**Swiss-Prot No. :** P15056

**Gene name:** braf

**Gene id:** 673

**Clone Number:** 4E1-E1-F9

**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

**Storage/Stability:** Store at -20°C/1 year

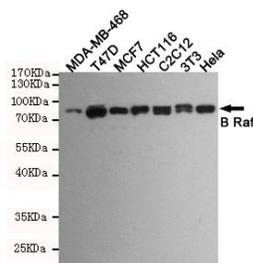
**Immunogen:** Purified recombinant human B-Raf protein fragments expressed in E.coli

**Purification:** affinity-chromatography

**Specificity/Sensitivity:** This antibody detects endogenous levels of B-Raf and does not cross-react with related proteins

**Reactivity:** Human, Mouse

**Applications:** Predicted MW: 87kd WB: 1:1000



Western blot detection of B Raf in MDA-MB-468, T47D, MCF7, HCT116, C2C12, 3T3 and Hela cell lysates using B-Raf mouse mAb (1:1000 diluted). Predicted band size: 87KDa. Observed band size: 87KDa.

### Background:

This gene encodes a protein belonging to the raf/mil family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene are associated with cardiofaciocutaneous syndrome, a disease characterized by heart defects, mental retardation and a distinctive facial appearance. Mutations in this gene have also been associated with various cancers, including non-Hodgkin lymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma, non-small cell lung carcinoma, and adenocarcinoma of lung. A pseudogene, which is located on chromosome X, has been identified for this gene.