

## **Product datasheet for TA890103**

## **B Raf (BRAF) Rabbit Polyclonal Antibody**

## **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB: 1:500~2000

Reactivity: Human, Rat, Mouse

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: Recombinant protein of human BRAF

**Formulation:** PBS with 0.02% sodium azide, 50% glycerol, pH7.3

**Concentration:** 0.46 mg/ml

**Purification:** Purified from the immunized serum by affinity chromatography (Protein A/G)

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Predicted Protein Size:** 84.3 kDa

**Gene Name:** B-Raf proto-oncogene, serine/threonine kinase

Database Link: NP 004324

Entrez Gene 109880 MouseEntrez Gene 114486 RatEntrez Gene 673 Human

P15056

**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. [provided

by RefSeq, Jul 2008]



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Synonyms: B-raf; B-RAF1; BRAF1; NS7; RAFB1

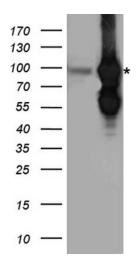
**Protein Families:** Druggable Genome, Protein Kinase

**Protein Pathways:** Acute myeloid leukemia, Bladder cancer, Chemokine signaling pathway, Chronic myeloid

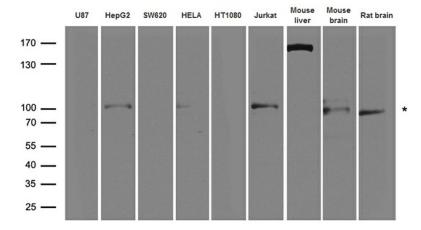
leukemia, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Focal adhesion, Glioma, Insulin signaling pathway, Long-term depression, Long-term potentiation, MAPK signaling pathway, Melanoma, mTOR signaling pathway, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma, Thyroid cancer, Vascular smooth muscle

contraction

## **Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BRAF ([RC211013], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BRAF ra. Positive lysates [LY401382] (100ug) and [LC401382] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from different cell lines and tissues by using anti-BRAF rabbit polyclonal antibody.