

## Anti-BRAF Antibody (7G224)

## Product Details

Ig Type:	IgG2a, $\kappa$
Reactivity:	Human, Mouse, Rat
Molecular Weight:	Theoretical: 84(hu)/89(mo, rat) kDa. Actual: 95 kDa.
Clone:	7G224
Purification:	Protein A purified

## Applications

Verified Activity:	Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Testis tissue lysates Lane 3: Rat Testis tissue lysates Lane 4: Human Raji cell lysates Lane 5: Human Jurkat cell lysates Lane 6: Human MOLT4 cell lysates Lane 7: Human HL-60 cell lysates Primary: Anti-B-Raf (TMAB-03199) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 84 (hu)/89 (mo, rat) kDa Observed band size: 95 (hu)/100 (mo, rat) kDa
Application:	WB, IHC-P, IHC-Fr, IF, ELISA, IP
Recommended	WB: 1:500-2000; IHC-P: 1:50-200; IHC-Fr: 1:50-200; IF: 1:50-200; ELISA: 1:30-3000; IP: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: human B-Raf protein
Antigen Species:	Human
Gene ID:	673
Uniprot ID:	P15056

## Research Background

This gene encodes a protein belonging to the RAF family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERK signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene, most commonly the V600E mutation, are the most frequently identified cancer-causing mutations in melanoma, and have been identified in various other cancers as well, including non-Hodgkin lymphoma, colorectal cancer, thyroid carcinoma, non-small cell lung carcinoma, hairy cell leukemia and

## A DRUG SCREENING EXPERT

---

adenocarcinoma of lung. Mutations in this gene are also associated with cardiofaciocutaneous, Noonan, and Costello syndromes, which exhibit overlapping phenotypes. A pseudogene of this gene has been identified on the X chromosome. [provided by RefSeq, Aug 2017]

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481