bsm-34218M **[Primary Antibody]**

BRAF Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG2a, κ
Clonality: Monoclonal
CloneNo.: 3G9
GeneID: 673
SWISS: P15056
Target: BRAF
Immunogen: Recombinant human B-Raf protein: 12-156/766.
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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 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]

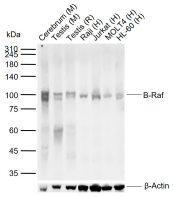
Applications: **WB** (1:100-1000)
IHC-P (1:100-500)
IHC-F (1:400-800)
IF (1:50-500)
ELISA (1:30-3000)
IP (1:100-500)

Reactivity: Human, Mouse, Rat

Predicted MW.: 84(hu)/89(mo, rat) kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

VALIDATION IMAGES



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 (bsm-34218M) 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

SELECTED CITATIONS

- **[IF=2.5]** Shi-Jia Gao. et al. Danggui Buxue decoction alleviates primary dysmenorrhea in rats by regulating the MEK1/2/ERK1/2/NF-κB pathway. FITOTERAPIA. 2025 Jan;180:106315 WB ;Rat. 39615702