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## phospho-BRAF (Thr401) Recombinant Rabbit mAb

Catalog Number: bsm-52135R

Target Protein: phospho-BRAF (Thr401)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 2B3

Isotype: IgG

Applications: WB (1:1000-2000), ICC/IF (1:100-500)

Reactivity: Human, Mouse, Rat

Predicted MW: 94 kDa

Entrez Gene: 673

Swiss Prot: P15056

Source: KLH conjugated Synthesised phosphopeptide derived from human BRAF around the phosphorylation site of Thr401: SA(p-T)PP.

Purification: affinity purified by Protein A

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]