# Phospho-B-Raf-S445 Rabbit pAb

Catalog No.: AP0012 3 Publications



## **Basic Information**

### **Observed MW**

100kDa

### **Calculated MW**

84kDa

#### Category

Primary antibody

## **Applications**

WB, ELISA

#### **Cross-Reactivity**

Human, Rat

## **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.

## **Recommended Dilutions**

WB

1:500 - 1:2000

**ELISA** 

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

Gene ID

Swiss Prot P15056

673

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms** 

NS7; B-raf; BRAF1; RAFB1; B-RAF1; BRAF-1; Phospho-B-Raf-S445

## **Contact**

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## **Product Information**

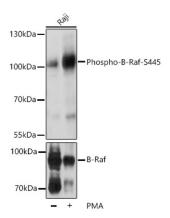
SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## **Validation Data**



Western blot analysis of lysates from Raji cells, using Phospho-B-Raf-S445 Rabbit pAb (A0038). Raji cells were treated with PMA/TPA (200nM) for 30 minutes.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.