www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

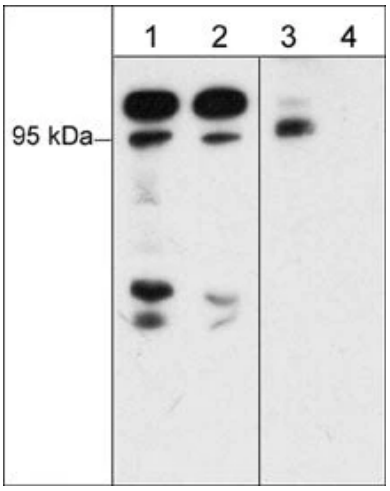
Anti-B-Raf (S446) [C-Raf (S338)/A-Raf (S299)], Phosphospecific Antibody

Product Details

Available Variants	100 µL (SKU:RP2031)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	BRAF
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:1000
Species Reactivity	Human, Mouse, Rat
Immunogen	Phospho-B-Raf (Ser-446) synthetic peptide (coupled to KLH) corresponds to amino acids surrounding serine 446 in human B-Raf. This sequence is conserved in B-Rafs from many species, and has high homology to C-Raf (Ser-338) and A-Raf (Ser-299).
Specificity	This antibody was cross-adsorbed to phospho-B-Raf (Ser-579) peptide before affinity purification using phospho-B-Raf (Ser-446) peptide. The purified antibody detects a strong band at 95 kDa* and a weaker band at 105 kDa in western blots of human Jurkat or A431 cells treated with Calyculin A. The antibody also detects other phosphorylated proteins at 150 and 200 kDa in calyculin A treated cells.
Molecular Weight	95/105
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	P15056 UniProt Summary: Protein kinase involved in the transduction of mitogenic signals from the cell membrane to the nucleus (Probable). Phosphorylates MAP2K1, and thereby activates the MAP kinase signal transduction pathway. Phosphorylates PFKFB2. May play a role in the postsynaptic responses of hippocampal neurons.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser-446
NCBI Gene ID	673

Product Images



Western blot of human Jurkat cells treated with calyculin A (100 nM) for 30 min. The blots were untreated (lanes 1 & 3) or treated (lanes 2 & 4) with lambda phosphatase and probed with anti-B-Raf (N-terminus) (lanes 1 & 2) or anti-B-Raf (Ser-446) (lanes 3 & 4).



Created on 30. October 2026 | All information without guarantee