

ARG54673 anti-B Raf antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes B Raf
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, ICC/IF, IHC, WB
Specificity	At least two isoforms of B-raf are known to exist; this antibody will detect both isoforms. This antibody will not cross-react with C-raf.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	B Raf
Immunogen	Synthetic peptide (19 aa) within aa. 330-380 Human B-raf protein.
Conjugation	Un-conjugated
Alternate Names	BRAF1; v-Raf murine sarcoma viral oncogene homolog B1; Proto-oncogene B-Raf; p94; Serine/threonine-protein kinase B-raf; RAFB1; EC 2.7.11.1; B-RAF1; NS7

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-Dependent
	ICC/IF	Assay-Dependent
	IHC	Assay-Dependent
	WB	1 - 2 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human Brain Tissue Lysate	
Calculated Mw	84 kDa	
Observed Size	99 kDa. Multiple post-translational modifications, commonly observed at 95-100 kDa.	

Properties

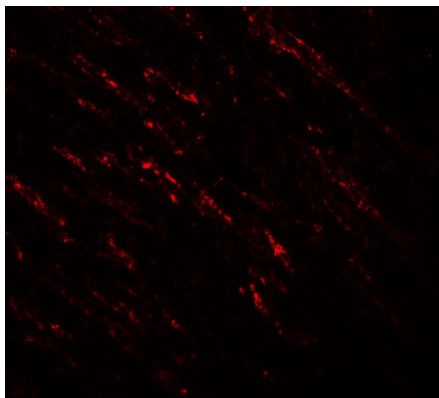
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

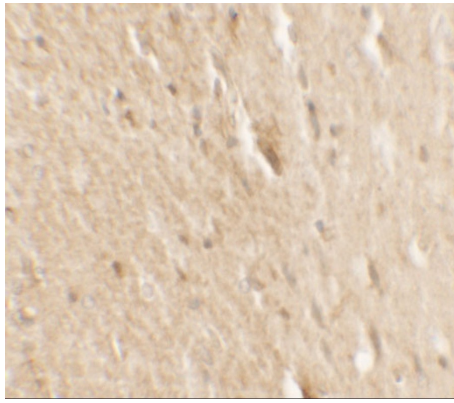
Database links	GeneID: 109880 Mouse GeneID: 673 Human Swiss-port # P15056 Human Swiss-port # P28028 Mouse
Gene Symbol	BRAF
Gene Full Name	B-Raf proto-oncogene, serine/threonine kinase
Background	B-raf Antibody: B-raf belongs to the raf/mil family of serine/threonine protein kinases and plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. The Ras/Raf/MEK/ERK and Ras/PI3K/PTEN/Akt pathways interact with each other to regulate growth and in some cases tumorigenesis. Mutations in B-raf have been associated with several cancers, including non-Hodgkin lymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma, non-small cell lung carcinoma, and adenocarcinoma of lung, leading to speculation on the possibility of B-raf as a therapeutic target for treating cancers. Mutations in this gene have also been associated with cardiofaciocutaneous syndrome (CFCS), a disease characterized by heart defects, mental retardation and a distinctive facial appearance.
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Signaling Transduction antibody

Images



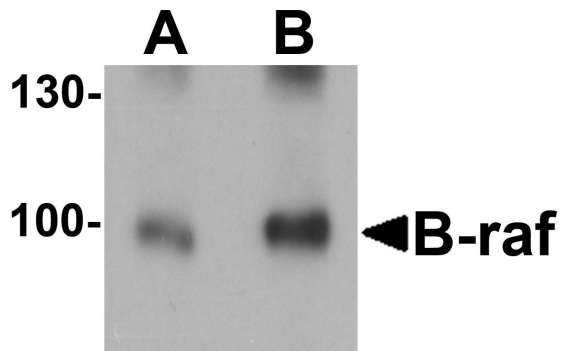
ARG54673 anti-B Raf antibody ICC/IF image

Immunofluorescence: Human small intestine tissue stained with ARG54673 anti-B Raf antibody at 20 µg/ml.



ARG54673 anti-B Raf antibody IHC image

Immunohistochemistry: Human small intestine tissue stained with ARG54673 anti-B Raf antibody at 2.5 µg/ml.



ARG54673 anti-B Raf antibody WB image

Western blot: Human brain tissue lysate stained with ARG54673 anti-B Raf antibody at (A) 1 and (B) 2 µg/ml.