

## ARG42707 anti-B Raf antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes B Raf
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	B Raf
Species	Human
Immunogen	Synthetic peptide derived from Human B Raf.
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
	IHC-P	1:50 - 1:200
	IP	1:50
	WB	1:500 - 1:2000

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

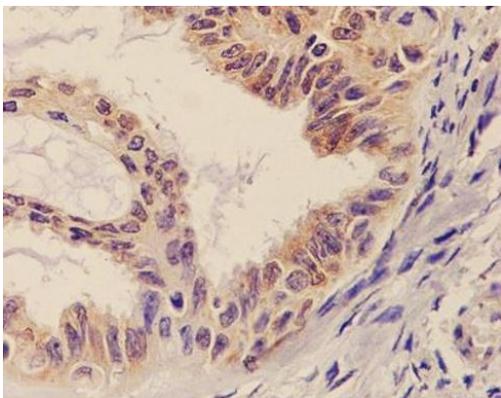
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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

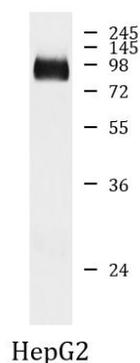
Gene Symbol	BRAF
Gene Full Name	B-Raf proto-oncogene, serine/threonine kinase
Background	This gene encodes a protein belonging to the RAF family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERK signaling pathway, which affects cell division, differentiation, 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]
Function	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 (PubMed:21441910, PubMed:29433126). May play a role in the postsynaptic responses of hippocampal neurons (PubMed:1508179). [UniProt]
Calculated Mw	84 kDa
PTM	Phosphorylation at Ser-365 by SGK1 inhibits its activity.  Methylation at Arg-671 decreases stability and kinase activity.  Ubiquitinated by RNF149; which leads to proteasomal degradation. Polyubiquitinated at Lys-578 in response to EGF. [UniProt]
Cellular Localization	Nucleus. Cytoplasm. Cell membrane. Note=Colocalizes with RGS14 and RAF1 in both the cytoplasm and membranes. [UniProt]

## Images



ARG42707 anti-B Raf antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human ovarian cancer tissue stained with ARG42707 anti-B Raf antibody.



ARG42707 anti-B Raf antibody WB image

Western blot: HepG2 cell lysate stained with ARG42707 anti-B Raf antibody.