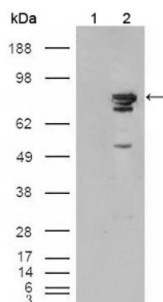
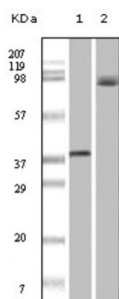


## Serine/threonine-Protein Kinase B-Raf (BRAF) Antibody

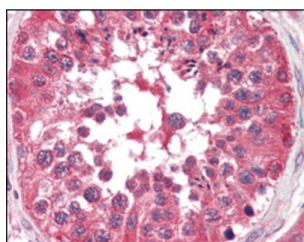
Catalogue No.: abx010442



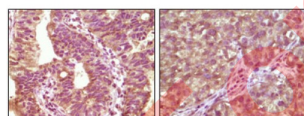
Western blot analysis using BRAF antibody against truncated recombinant Braf (1) and A431 cell lysate (2).



Western blot analysis using BRAF antibody against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY Braf cDNA (2).



Immunohistochemical analysis of paraffin-embedded human bladder carcinoma tissue (left) and lung carcinoma tissue (right) showing cytoplasmic localization using BRAF antibody with DAB staining.



Immunohistochemical analysis of paraffin-embedded human testis tissues using BRAF antibody.

B-Raf is a tyrosine kinase-like kinase of the RAF family. Involved in the transduction of mitogenic signals from the cell membrane to the nucleus. May play a role in the postsynaptic responses of hippocampal neuron. Frequently mutated in thyroid cancers, skin melanomas and at lower frequency in a wide range of human cancers. An activating mutation, mimicking phosphorylation of the activation loop, is seen in 60% of malignant melanoma samples. Raf mutations are generally exclusive to Ras activating mutations. Activating mutations are also seen in ~10% of colorectal cancers, in lung cancers and gliomas, and at a lower rate in several other tumors. Inactivating mutations are also seen and may result in activation of c-Raf and Erk. Mutations in B-Raf, MEK1 and MEK2 also associated with cardiofaciocutaneous syndrome, displaying morphological, cardiac and mental defects. Approved Inhibitor: Nexavar/Sorafenib.

# Datasheet

Version: 3.0.0  
Revision date: 15 Aug 2025



Target:	Serine/threonine-Protein Kinase B-Raf (BRAF)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, IHC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of BRAF expressed in E. coli.
Isotype:	IgG <sub>1</sub>
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P15056 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
Gene Symbol:	BRAF
GeneID:	<a href="#">673</a>
OMIM:	<a href="#">114500</a>
HGNC:	1097
KEGG:	hsa:673
Ensembl:	ENSG00000157764
String:	<a href="#">9606.ENSP00000288602</a>
Enzyme Commission Number:	EC 2.7.1.37, EC 2.7.11.1
Molecular Weight:	84.4 kDa

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**Buffer:** Ascitic fluid containing 0.03% sodium azide.

**Concentration:** Not determined.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only