

## Datasheet

### BRAF polyclonal antibody

**Catalog Number:** PAB3946

**Regulatory Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against synthetic peptide of BRAF.

**Immunogen:** A synthetic peptide (conjugated with KLH) corresponding to residues surrounding T400 of human BRAF.

**Host:** Rabbit

**Reactivity:** Human

**Applications:** IHC-P, WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Purification:** Protein A purification

**Recommend Usage:** Immunohistochemistry

(Formalin/PFA-fixed paraffin-embedded sections)  
(1:10-50)

Western Blot (1:1000)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.09% sodium azide)

**Storage Instruction:** Store at 4°C. For long term storage store at -20°C.

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 673

**Gene Symbol:** BRAF

**Gene Alias:** B-RAF1, BRAF1, FLJ95109, MGC126806, MGC138284, RAFB1

**Gene Summary:** This gene encodes a protein belonging

to the raf/mil family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene are associated with cardiofaciocutaneous syndrome, a disease characterized by heart defects, mental retardation and a distinctive facial appearance. Mutations in this gene have also been associated with various cancers, including non-Hodgkin lymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma, non-small cell lung carcinoma, and adenocarcinoma of lung. A pseudogene, which is located on chromosome X, has been identified for this gene. [provided by RefSeq]

#### References:

1. BRAF mutations in non-Hodgkin's lymphoma. Lee JW, Yoo NJ, Soung YH, Kim HS, Park WS, Kim SY, Lee JH, Park JY, Cho YG, Kim CJ, Ko YH, Kim SH, Nam SW, Lee JY, Lee SH. Br J Cancer. 2003 Nov 17;89(10):1958-60.
2. Suppression of BRAF(V599E) in human melanoma abrogates transformation. Hingorani SR, Jacobetz MA, Robertson GP, Herlyn M, Tuveson DA. Cancer Res. 2003 Sep 1;63(17):5198-202.
3. Mutations of the BRAF gene in human cancer. Davies H, Bignell GR, Cox C, Stephens P, Edkins S, Clegg S, Teague J, Woffendin H, Garnett MJ, Bottomley W, Davis N, Dicks E, Ewing R, Floyd Y, Gray K, Hall S, Hawes R, Hughes J, Kosmidou V, Menzies A, Mould C, Parker A, Stevens C, Watt S, Hooper S, Wilson R, Jayatilake H, Gusterson BA, Cooper C, Shipley J, Hargrave D, Pritchard-Jones K, Maitland N, Chenevix-Trench G, Riggins GJ, Bigner DD, Palmieri G, Cossu A, Flanagan A, Nicholson A, Ho JW, Leung SY, Yuen ST, Weber BL, Seigler HF, Darrow TL, P Nature. 2002 Jun 27;417(6892):949-54. Epub 2002 Jun 9.