

## Phospho-BRAF-pS445 Antibody - Product info

CATALOG # AP3418a

APPLICATIONS DB,E

REACTIVITY H

ACCESSIONS [P15056](#)

CONCENTRATION 0.25 mg/ml

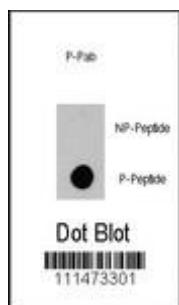
SIZE 0.1 mg

ISOTYPE Rabbit Ig

CLONE NAMES RB11473

## Phospho-BRAF-pS445 Antibody - Application data

Calculated MW: 84437 Da



Dot blot analysis of anti-BRAF-pS445 Phospho-specific Pab (Cat.#AP3418a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

## Phospho-BRAF-pS445 Antibody - Additional info

GENE ID GENE SYMBOL

673 BRAF

OTHER NAMES

B-Raf proto-oncogene serine/threonine-protein kinase; p94; v-Raf murine sarcoma viral oncogene homolog B1; BRAF; BRAF1; RAFB1

TARGET/SPECIFICITY

This Phospho-BRAF-pS445 antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S445 of human BRAF.

APPLICATION NOTES

The suggested dilution is:

ELISA ~ 1:1,000

Dot Blot ~ 1:500

FORMAT

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is first purified by protein A affinity chromatography. Then, the antibody fraction is peptide affinity purified in a 2-step procedure with peptides. The antibody is eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

STORAGE

Maintain refrigerated at 2-8 deg C for up to 6 months. For long term storage store at -20 deg C in small aliquots to prevent freeze-thaw cycles.

#### PRECAUTIONS

Phospho-BRAF-pS445 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### BACKGROUND

BRAF is involved in the transduction of mitogenic signals from the cell membrane to the nucleus. It may play a role in the postsynaptic responses of hippocampal neuron. Defects in BRAF are a cause of cardiofaciocutaneous syndrome (CFC syndrome), and a wide range of cancers such as lung cancer, non-Hodgkins lymphoma, and colorectal cancer.

#### REFERENCES

Loewe, R., et al., J. Invest. Dermatol. 123(4):733-736 (2004). Yamaguchi, T., et al., J. Biol. Chem. 279(39):40419-40430 (2004). Frattini, M., et al., Oncogene 23(44):7436-7440 (2004). Tsavachidou, D., et al., Cancer Res. 64(16):5556-5559 (2004). Gear, H., et al., Invest. Ophthalmol. Vis. Sci. 45(8):2484-2488 (2004).

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