

## Mouse Monoclonal Antibody to BRAF

<b>Catalogue Number</b>	sAP-0086
<b>Target Molecule</b>	<b>Name:</b> BRAF <b>Aliases:</b> BRAF <b>MW:</b> N/A <b>Entrez Gene ID:</b> 673
<b>Description</b>	BRAF(V-raf murine sarcoma viral oncogene homolog B1 ) is the main effectors recruited by GTP-bound Ras to activate the MEK-MAP kinase pathway. B-Raf contains three consensus Akt phosphorylationsites (Ser364, Ser428, and Thr439).B-Raf is a key regulatory molecule of the mitogen-activated protein kinase kinase (MEK),it has a long amino-terminal region, the region is essential for homo-dimerization of B-Raf and hetero-dimerization of B-Raf and c-Raf at the plasma membrane, followed by phosphorylation of Thr118 in the amino-terminal B-Raf-specific region. Notably, in calcium ionophore-stimulated HeLa cells, B-Raf could propagate signals to MEK under the basal level of GTP-Ras. Expression of Raf-B is highly restricted with highestlevels in the cerebrum and testes and defects in braf are involved in a wide range of cancers.The
<b>Immunogen</b>	Purified recombinant fragment of BRAF expressed in E. Coli.
<b>Recitative Species</b>	Human
<b>Clone</b>	MM1H12F1;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Rapp, U.R.,et al.1983.Proc. Natl.Acad.Sci.USA.80:4218-4222. ; 2. Kim J, Giuliano AE, Turner RR.2006.Ann Surg.Nov, 244(5): 799-804. ; 3. Fullen DR, Poynter JN, Lowe L,2006.Mod Pathol. 19(10): 1324-1332. ; 4. Terai K, Matsuda M.2006.MBO J.25(15):3556-3564.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**