

产品名称: BRAF Mouse Monoclonal Antibody
产品货号: AMM80718



产品概述 (Summary)

产品名称 (Production Name)	BRAF Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	BRAF
别名 (Alternative Names)	BRAF1; RAFB1; B-RAF1; FLJ95109
基因 ID (Gene ID)	673.0
蛋白 ID (SwissProt ID)	P15056.Purified recombinant fragment of human BRAF expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	87kDa

研究背景 (Background)

BRAF: v-raf murine sarcoma viral oncogene homolog B1, also known as BRAF1; RAFB1; B-RAF1; FLJ95109. Entrez Protein NP_004324. It is the main effectors recruited by GTP-bound Ras to activate the MEK-MAP kinase pathway. B-Raf contains

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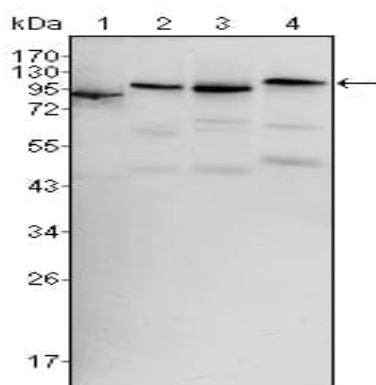


three consensus Akt phosphorylation sites (Ser364, Ser428, and Thr439). B-Raf is a key regulatory molecule of the mitogen-activated protein kinase kinase (MEK), it has a long amino-terminal region, the region is essential for homo-dimerization of B-Raf and hetero-dimerization of B-Raf and c-Raf at the 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 highest levels in the cerebrum and testes and defects in braf are involved in a wide range of cancers. The BRAF gene mutation is frequently detected in papillary thyroid carcinoma, melanocytic nevi, primary cutaneous melanomas and colorectal cancers.

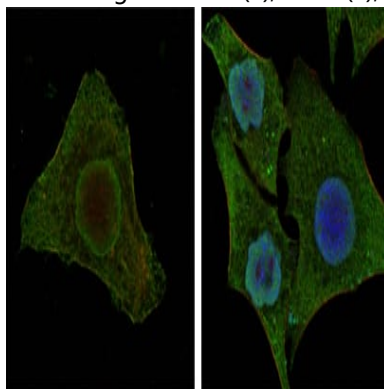
研究领域 (Research Area)

MAPK signaling pathway

图片 (Image Data)

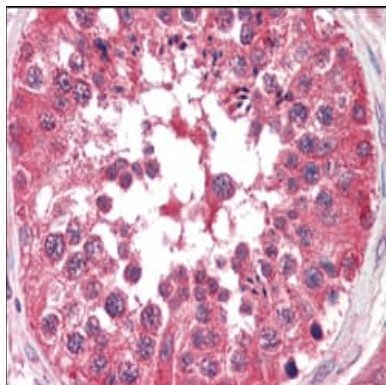


Western blot analysis using BRAF mouse mAb against HeLa (1), HL60 (2), HepG2 (3) and NIH/3T3 (4) cell lysate.



Confocal Immunofluorescence analysis of MCF-7 (left) and HepG2 (right) cells using BRAF mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye

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

注意事项 (Note)

For research use only .