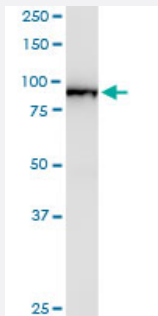


BRAF monoclonal antibody (M02), clone 3D2

Catalog # H00000673-M02

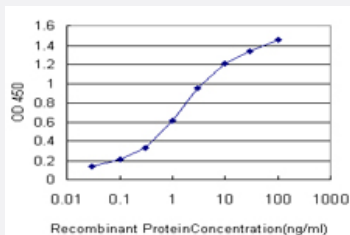
Size 50 ug

Applications



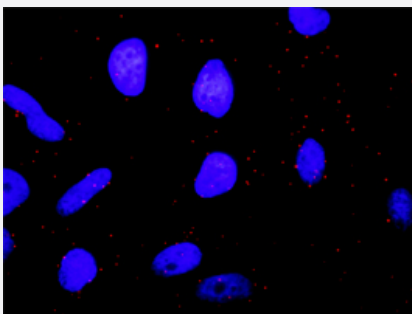
Western Blot (Tissue lysate)

BRAF monoclonal antibody (M02), clone 3D2. Western Blot analysis of BRAF expression in human pancreas.



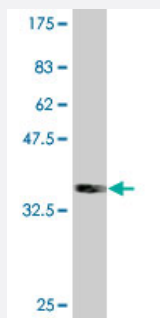
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged BRAF is approximately 0.03ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between MAPK3 and BRAF. HeLa cells were stained with anti-MAPK3 rabbit purified polyclonal 1:1200 and anti-BRAF mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant BRAF.
Immunogen	BRAF (NP_004324, 346 a.a. ~ 445 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	FRPADEDHRNQFGQDRSSSAPNVHINTIEPVNIDDLIRDQGFRGDGGSTTGLSATPPASLPGLT NVKALQKSPGPQREKSSSSSEDRNRMKTLGRRD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (62)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

BRAF monoclonal antibody (M02), clone 3D2. Western Blot analysis of BRAF expression in human pancreas.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged BRAF is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between MAPK3 and BRAF. HeLa cells were stained with anti-MAPK3 rabbit purified polyclonal 1:1200 and anti-BRAF mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — BRAF

Entrez GeneID [673](#)

GeneBank Accession# [NM_004333](#)

Protein Accession# [NP_004324](#)

Gene Name BRAF

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

Gene Description v-raf murine sarcoma viral oncogene homolog B1

Omim ID [115150](#) [164757](#) [211980](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein belonging to the raf/mil family of serine/threonine protein kinases. Th is 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]

Other Designations 94 kDa B-raf protein|B-Raf proto-oncogene serine/threonine-protein kinase (p94)|Murine sarcoma viral (v-raf) oncogene homolog B1

Publication Reference

- [Positioning High-Throughput CETSA in Early Drug Discovery through Screening against B-Raf and PARP1.](#)

Shaw J, Dale I, Hemsley P, Leach L, Dekki N, Orme JP, Talbot V, Narvaez AJ, Bista M, Martinez Molina D, Dabrowski M, Main MJ, Gianni D.

SLAS Discovery 2018 Dec; 2472555218813332.

Application: Func, Human, A-375 cells

- [An analysis of protein-protein interactions in cross-talk pathways reveals CRKL as a novel prognostic marker in hepatocellular carcinoma.](#)

Liu CH, Chen TC, Chau GY, Jan YH, Chen CH, Hsu CN, Lin KT, Juang YL, Lu PJ, Cheng HC, Chen MH, Chang CF, Ting YS, Kao CY, Hsiao M, Huang CY.

Molecular & Cellular Proteomics 2013 May; 12(5):1335.

Application: Profiling, Human, Huh7 cells, Mahlavu cells

Pathway

- [Acute myeloid leukemia](#)
- [Bladder cancer](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Focal adhesion](#)
- [Glioma](#)
- [Insulin signaling pathway](#)
- [Long-term depression](#)
- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [Melanoma](#)

- [mTOR signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
- [Thyroid cancer](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Abnormalities](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adrenal Cortex Neoplasms](#)
- [Alcoholism](#)
- [Articulation Disorders](#)
- [Astrocytoma](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cell Transformation](#)
- [Chromosomal Instability](#)

- [Chromosome Aberrations](#)
- [Cognition](#)
- [Cognition Disorders](#)
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- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Common Bile Duct Neoplasms](#)
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- [Cystadenocarcinoma](#)
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- [Disease Progression](#)
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- [Endometrial Neoplasms](#)
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- [Lymphoma](#)
- [Malignant melanoma](#)
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- [Microsatellite Instability](#)
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- [Nasopharyngeal Neoplasms](#)
- [Necrosis](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Nerve Sheath Neoplasms](#)
- [Neurofibromatosis](#)
- [Neurofibromatosis 1](#)

- [Nevus](#)
- [Noonan Syndrome](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
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- [Pancreatic Neoplasms](#)
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- [Precancerous Conditions](#)
- [Prostatic Neoplasms](#)
- [Ras oncogene](#)
- [Rectal Neoplasms](#)
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- [Syndrome](#)
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- [Thyroid Diseases](#)
- [Thyroid Neoplasms](#)
- [Thyroid Nodule](#)
- [Thyroiditis](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)