

Datasheet: VMA00632

BATCH NUMBER 170605

Description:	MOUSE ANTI BRAF
Specificity:	BRAF
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI4B2
Isotype:	IgG2a
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Mouse</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)

Stabilisers	1% Bovine Serum Albumin <50% Glycerol
Immunogen	HEK293-derived full length recombinant BRAF
External Database Links	<p>UniProt: P15056 Related reagents</p> <p>Entrez Gene: 673 BRAF Related reagents</p>
Synonyms	BRAF1, RAFB1
Specificity	<p>Mouse anti Human BRAF antibody recognizes the serine/threonine-protein kinase B-raf, also known as 94 kDa B-raf protein, B-Raf proto-oncogene serine/threonine-protein kinase (p94), murine sarcoma viral (v-raf) oncogene homolog B1, proto-oncogene B-Raf, serine/threonine-protein kinase B-raf, v-raf murine sarcoma viral oncogene homolog B and v-raf murine sarcoma viral oncogene homolog B1.</p> <p>BRAF 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 BRAF are associated with cardiofaciocutaneous syndrome, a disease characterized by heart defects, mental retardation and a distinctive facial appearance. Mutations in BRAF 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 BRAF (provided by RefSeq, Jul 2008).</p> <p>Mouse anti BRAF detects a band of 86 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Mouse anti BRAF antibody detects a band of approximately 86 kDa in C2C12 cell lysates
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10048 available at: https://www.bio-rad-antibodies.com/SDS/VMA00632 Antibody (10048)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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