

Datasheet: VPA00587

BATCH NUMBER 160801

Description:	RABBIT ANTI MEK 2
Specificity:	MEK 2
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
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
Product Form	Purified IgG - liquid.
Preparation	Rabbit polyclonal antibody purified by affinity chromatography.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 2% Sucrose.
Immunogen	Synthetic peptide directed towards the N terminal region of human MEK 2
External Database Links	UniProt: P36507 Related reagents

Entrez Gene:[5605](#) [MAP2K2](#) [Related reagents](#)

Synonyms MEK2, MKK2, PRKMK2

Specificity **Rabbit anti Human MEK 2 antibody** recognizes MEK 2 also known as dual specificity mitogen-activated protein kinase kinase 2, also known as ERK activator kinase 2, MAP kinase kinase 2, MAPK/ERK kinase 2, MAPKK2 or p45.

The protein encoded by MAP2K2 gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in MAP2K2 gene cause Cardiofaciocutaneous syndrome 4 ([CFC4](#)), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in [Noonan syndrome](#) ([Schulz et al. 2008](#)). The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of *Yersinia* and anthrax. A pseudogene, which is located on chromosome 7, has been identified for MAP2K2 (provided by RefSeq, Jul 2008).

Rabbit anti Human MEK 2 antibody detects a band of 49 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti MEK 2 detects a band of approximately 49 kDa in HepG2 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 #10045 available at: <https://www.bio-rad-antibodies.com/SDS/VPA00587>
Antibody (10045)

Regulatory For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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