

**MAP2K2 / MEK2 Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF4050a

**Specification**

---

**MAP2K2 / MEK2 Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">P36507</a>
Other Accession	<a href="#">NP_109587.1</a> , <a href="#">5605</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	44424

**MAP2K2 / MEK2 Antibody (internal region) - Additional Information**

Gene ID 5605

**Other Names**

Dual specificity mitogen-activated protein kinase kinase 2, MAP kinase kinase 2, MAPKK 2, 2.7.12.2, ERK activator kinase 2, MAPK/ERK kinase 2, MEK 2, MAP2K2, MEK2, MKK2, PRKMK2

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

MAP2K2 / MEK2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**MAP2K2 / MEK2 Antibody (internal region) - Protein Information**

**Name** MAP2K2

**Synonyms** MEK2, MKK2, PRKMK2

**Function**

Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates the ERK1 and ERK2 MAP kinases (By similarity). Activates BRAF in a KSR1 or KSR2-dependent manner; by binding to KSR1 or KSR2 releases the inhibitory intramolecular interaction between KSR1 or KSR2 protein kinase and N-terminal domains which promotes KSR1 or KSR2-BRAF dimerization and BRAF activation (PubMed:<a

href="http://www.uniprot.org/citations/29433126" target="\_blank">29433126</a>).

#### Cellular Location

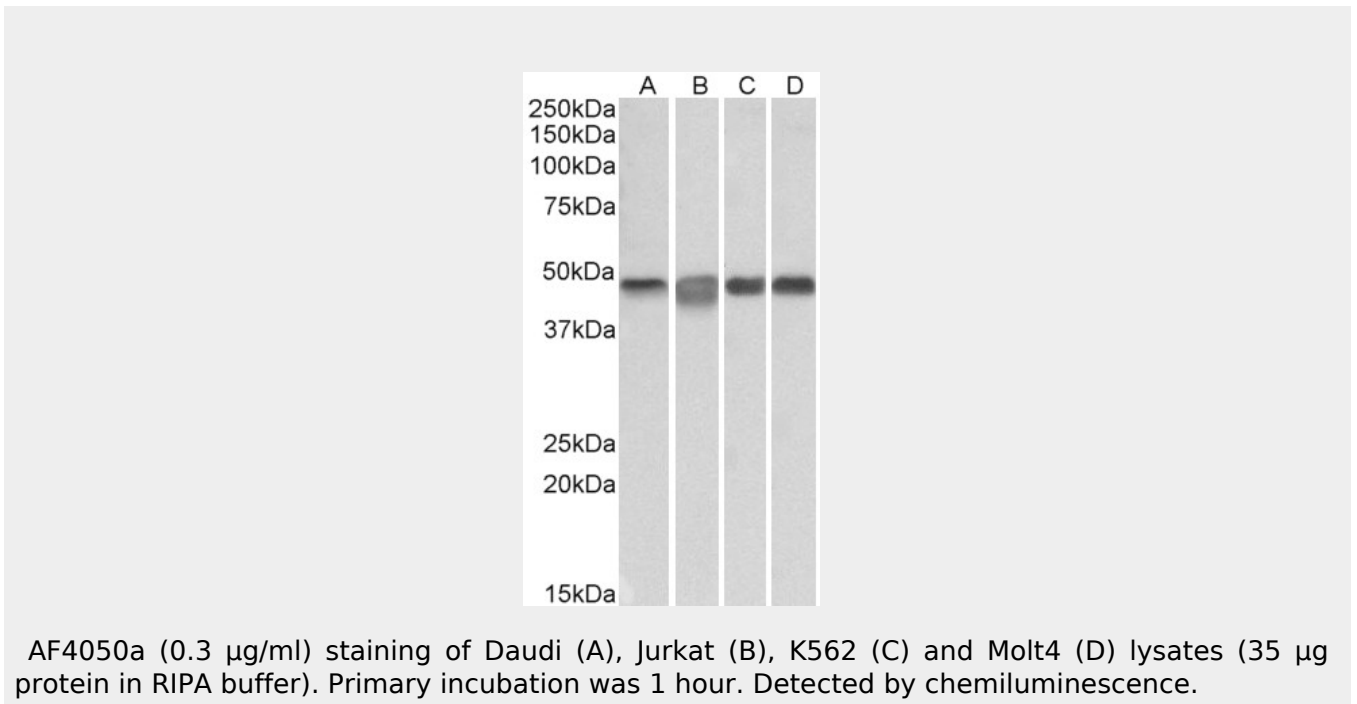
Cytoplasm. Membrane; Peripheral membrane protein. Note=Membrane localization is probably regulated by its interaction with KSR1.

#### MAP2K2 / MEK2 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### MAP2K2 / MEK2 Antibody (internal region) - Images



#### MAP2K2 / MEK2 Antibody (internal region) - References

Sef downregulation by Ras causes MEK1/2 to become aberrantly nuclear localized leading to polyploidy and neoplastic transformation. Duhamel S, Hébert J, Gaboury L, Bouchard A, Simon R, Sauter G, Basik M, Meloche S. Cancer Res. 2012 Feb 1;72(3):626-35. PMID: 22298595