

MEK1/2 Antibody

Catalog # ASC11934

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q0VD16
Other Accession	NP_002746 , 5579478
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	43 KDa
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	MEK1/2 antibody can be used for detection of MEK1/2 by Western blot at 1 - 2 μ g/ml. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	5604
Target/Specificity	MAP2K1; MEK1/2 antibody is human, mouse, and rat reactive. This antibody detects both MEK1 and MEK2.
Reconstitution & Storage	MEK1/2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Precautions	MEK1/2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

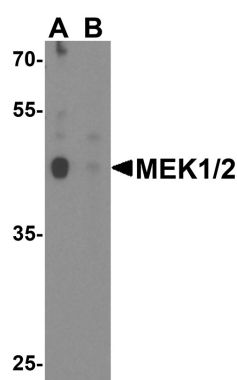
Background

The mitogen-activated protein kinase kinase 1 (MAP2K1, also known as MEK1) and the highly homologous MEK2 are members of the dual specificity protein kinase family (1). MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals (2). MEK1 lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon wide variety of extra- and intracellular signals. As an essential component of MAP kinase signal transduction pathway, MEK1 is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development (2).

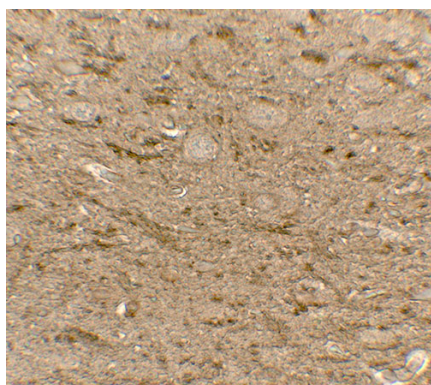
References

Zheng CF and Guan KL. Cloning and characterization of two distinct human extracellular signal-regulated kinase activator kinases, MEK1 and MEK2. *J. Biol. Chem.* 1993; 268:11435-9.
Marais R and Marshall CJ. Control of the ERK MAP kinase cascade by Ras and Raf. *Cancer Surv.* 1996; 27:101-25.

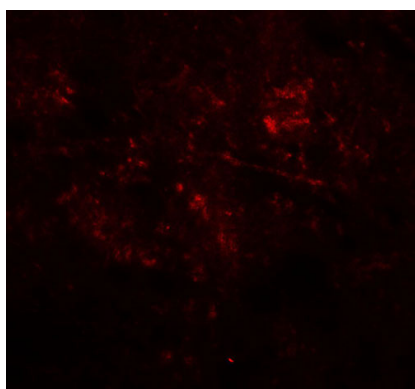
Images



Western blot analysis of MEK1/2 in human brain tissue lysate with MEK1/2 antibody at 1 $\mu\text{g/ml}$ in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of MEK1/2 in mouse brain tissue with MEK1/2 antibody at 5 $\mu\text{g/mL}$.



Immunofluorescence of MEK1/2 in mouse brain tissue with MEK1/2 antibody at 20 $\mu\text{g/mL}$.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.