

## Basic Information

<b>Product Name</b>	Anti-MEK1/MAP2K1 Antibody (Clone#OTI2D4)	
<b>Gene Name</b>	MAP2K1	
<b>Source</b>	Mouse	
<b>Clonality</b>	Monoclonal	
<b>Isotype</b>	IgG2a	
<b>Species Reactivity</b>	human, mouse, rat, dog, monkey	
<b>Tested Application</b>	WB, IHC, ICC/IF	
<b>Contents</b>	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.	
<b>Immunogen</b>	Full length human recombinant protein of human MAP2K1(NP_002746) produced in HEK293T cell.	
<b>Concentration</b>	500 ug/ml	
<b>Purification</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)	
<b>Observed MW</b>	43.3 kDa	
<b>Dilution Ratios</b>	Western blot (WB): 1:400~4000 Immunohistochemistry (IHC): 1:150 Immunocytochemistry/Immunofluorescence (ICC/IF):1:100	

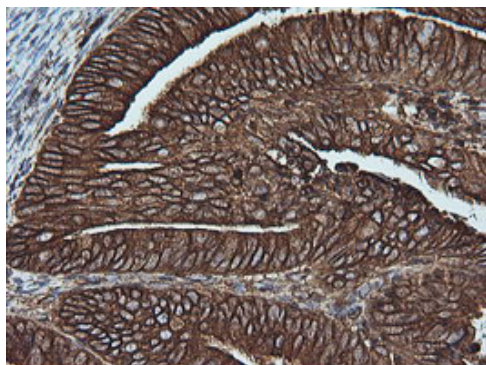
## Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

## Background Information

The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein kinase 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, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development. [provided by RefSeq]

## Selected Validation Data



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-MAP2K1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, M00292-4)