

Basic Information

Product Name	Anti-MAPK11 Antibody (Clone#OTI1C2)		
Gene Name	MAPK11		
Source	Mouse		
Clonality	Monoclonal		
Isotype	IgG1		
Species Reactivity	human, mouse, rat		
Tested Application	WB, ICC/IF		
Contents	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.		
Immunogen	Full length human recombinant protein of human MAPK11 (NP_002742) produced in HEK293T cell.		
Concentration	500 ug/ml		
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)		
Observed MW	41.4 kDa		
Dilution Ratios	Western blot (WB): 1:2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:100		

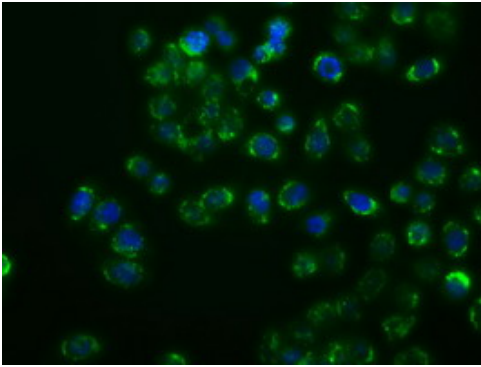
Storage

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 MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation, and development. This kinase is most closely related to p38 MAP kinase, both of which can be activated by proinflammatory cytokines and environmental stress. This kinase is activated through its phosphorylation by MAP kinase kinases (MKKs), preferably by MKK6. Transcription factor ATF2/CREB2 has been shown to be a substrate of this kinase.

Selected Validation Data



Immunofluorescent staining of HT29 cells using anti-MAPK11 mouse monoclonal antibody.