Best Tools for immunology Research

MEK5 Mouse mAb(2G10)

Catalog No :	YM3803
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	Kininogen 1
Gene Name :	MAP2K5 MEK5 MKK5 PRKMK5
Protein Name :	MEK5
Human Gene Id :	5607
Human Swiss Prot No :	Q13163
Mouse Gene Id :	23938
Mouse Swiss Prot No :	Q9WVS7
Rat Gene Id :	29568
Rat Swiss Prot No :	Q62862
Immunogen :	Synthesized peptide derived from human MEK5
Specificity :	This antibody detects endogenous levels of MEK5 at Human, Mouse,Rat
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Mouse,monoclonal
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

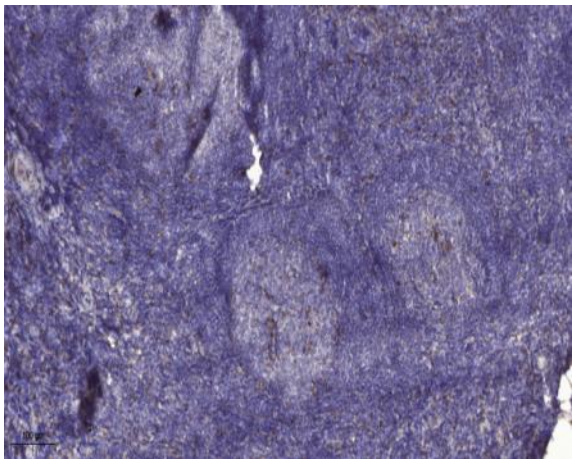
Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 49kD

Function : catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,domain:Binds MAP3K2/MAP3K3 and MAPK7 via non-overlapping residues of the OPR domain. This domain also mediates interactions with SQSTM1 and PARD6A.,function:Acts as a scaffold for the formation of a ternary MAP3K2/MAP3K3-MAP3K5-MAPK7 signaling complex. Activation of this pathway appear to play a critical role in protecting cells from stress-induced apopotosis, neuronal survival and cardiac development and angiogenesis.,PTM:Activated by phosphorylation on Ser/Thr by MAP kinase kinase kinases.,PTM:Yersinia yopJ may acetylate Ser/Thr residues, preventing phosphorylation and activation, thus blocking the MAPK signaling pathway.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily.,similarity:Contains 1 OPR domain.,similarity:Contains 1 protein kinas

Expression : Expressed in many adult tissues. Abundant in heart and skeletal muscle.

Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).