

MKP-7 Polyclonal Antibody

Catalog No :	YT2777
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	MKP-7
Fields :	>>MAPK signaling pathway
Gene Name :	DUSP16
Protein Name :	Dual specificity protein phosphatase 16
Human Gene Id :	80824
Human Swiss Prot No :	Q9BY84
Immunogen :	The antiserum was produced against synthesized peptide derived from human DUSP16. AA range:571-620
Specificity :	MKP-7 Polyclonal Antibody detects endogenous levels of MKP-7 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum 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 :	73kD

Cell Pathway : MAPK_ERK_Growth;MAPK_G_Protein;

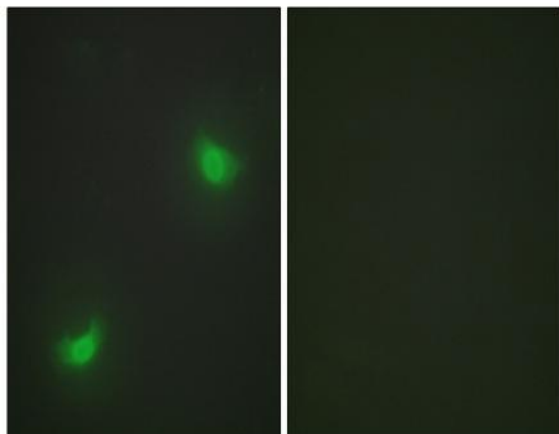
Background : dual specificity phosphatase 16(DUSP16) Homo sapiens This gene encodes a mitogen-activated protein kinase phosphatase that is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. The encoded protein specifically regulates the c-Jun amino-terminal kinase (JNK) and extracellular signal-regulated kinase (ERK) pathways.[provided by RefSeq, May 2010],

Function : catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,function:Involved in the inactivation of MAP kinases.,similarity:Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily.,similarity:Contains 1 rhodanese domain.,similarity:Contains 1 tyrosine-protein phosphatase domain.,

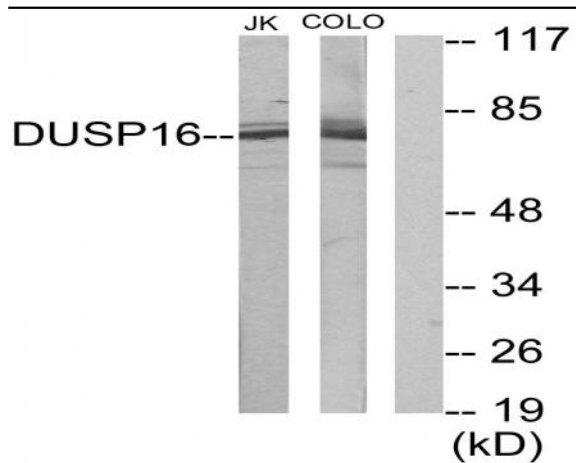
Subcellular Location : Cytoplasm. Nucleus. Cytoplasmic vesicle. After dissociation upon AGTR stimulation, re-associates with ARRB2 on endocytic vesicles.

Expression : Bone marrow,Brain,Duodenum,PCR rescued clones,

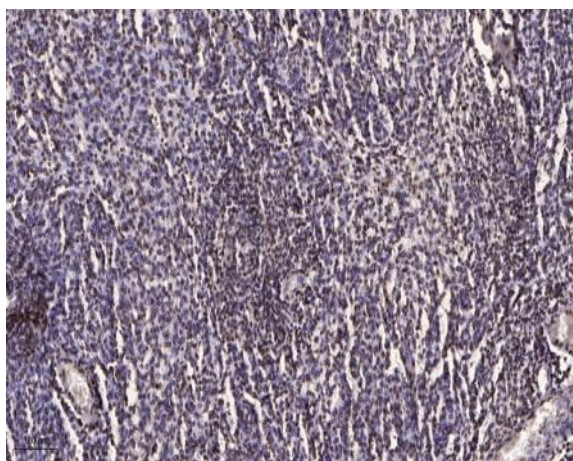
Products Images



Immunofluorescence analysis of HepG2 cells, using DUSP16 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat and COLO205 cells, using DUSP16 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human brain tumor. 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, 45min).