

Anti-DUSP16 Antibody

Catalog # AP59878

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9BY84
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73102

Additional Information

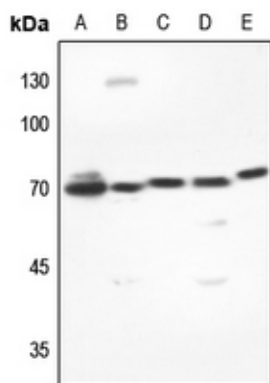
Gene ID	80824
Other Names	KIAA1700; MKP7; Dual specificity protein phosphatase 16; Mitogen-activated protein kinase phosphatase 7; MAP kinase phosphatase 7; MKP-7
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human DUSP16. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

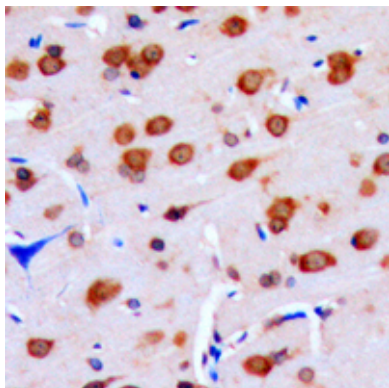
Name	DUSP16
Synonyms	KIAA1700, MKP7
Function	Dual specificity protein phosphatase involved in the inactivation of MAP kinases. Dephosphorylates MAPK10 bound to ARRB2.
Cellular Location	Cytoplasm. Nucleus. Cytoplasmic vesicle. Note=After dissociation upon AGTR stimulation, re-associates with ARRB2 on endocytic vesicles

Images

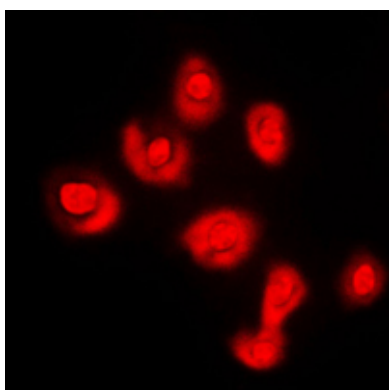
Western blot analysis of DUSP16 expression in H1688 (A),



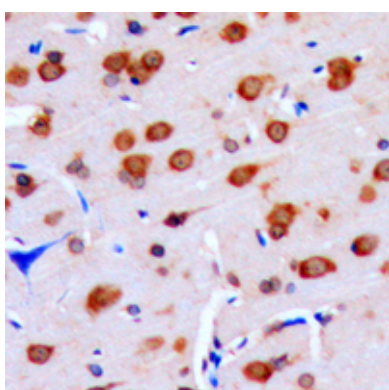
mouse kidney (B), mouse brain (C), rat kidney (D), rat brain (E) whole cell lysates. (Predicted band size: 73 kD; Observed band size: 73 kD)



Immunohistochemical analysis of DUSP16 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of DUSP16 staining in COLO205 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



Immunohistochemical analysis of DUSP16 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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