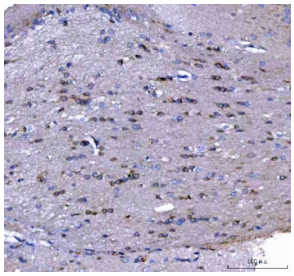
MAP6D1 Antibody / MAP6 domain-containing protein 1 (RQ8444)

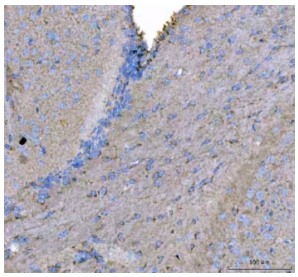
Catalog No.	Formulation	Size
RQ8444	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

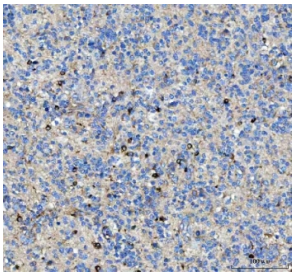
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9H9H5
Localization	Cytoplasm
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This MAP6D1 antibody is available for research use only.



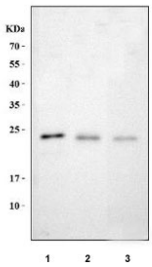
IHC staining of FFPE rat brain tissue with MAP6D1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



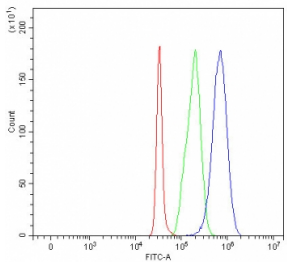
IHC staining of FFPE mouse brain tissue with MAP6D1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



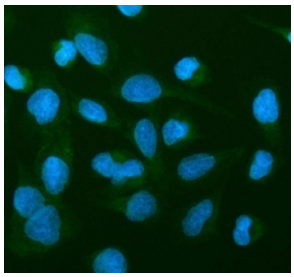
IHC staining of FFPE human glioma tissue with MAP6D1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human T-47D, 2) rat brain and 3) mouse brain tissue with MAP6D1 antibody. Predicted molecular weight ~21 kDa.



Flow cytometry testing of fixed and permeabilized human SH-SY5Y cells with MAP6D1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MAP6D1 antibody.



Immunofluorescent staining of FFPE human U-2 OS cells with MAP6D1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

Description

This gene encodes a protein highly similar to the mouse MAP6 domain containing 1 protein, which is related to the STOP proteins. Based on the study of the mouse protein, the encoded protein may function as a calmodulin-regulated neuronal protein that binds and stabilizes microtubules but also associates with the Golgi membranes through N-terminal palmitoylation.

Application Notes

Optimal dilution of the MAP6D1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (M1-V199) was used as the immunogen for the MAP6D1 antibody.

Storage

After reconstitution, the MAP6D1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.