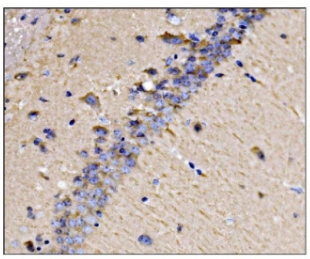
Dynamin 3 Antibody / DNM3 (RQ6471)

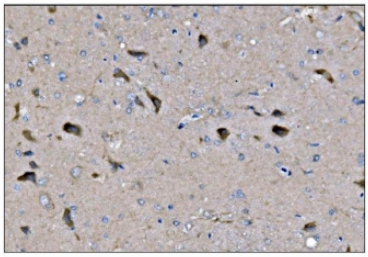
Catalog No.	Formulation	Size
RQ6471	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

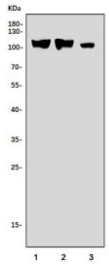
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9UQ16
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Dynamin 3 antibody is available for research use only.



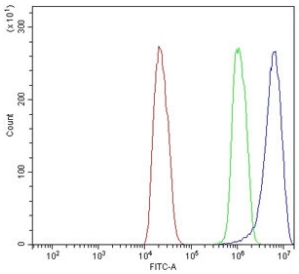
IHC staining of FFPE mouse brain tissue with Dynamin 3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue with Dynamin 3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat brain, 2) mouse brain and 3) mouse NIH 3T3 cell lysate with Dynamin 3 antibody. Expected molecular weight ~100 kDa.



Flow cytometry testing of rat C6 cells with Dynamin 3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Dynamin 3 antibody.

Description

Dynamin-3 is a protein that in humans is encoded by the DNM3 gene. This gene encodes a member of a family of guanosine triphosphate (GTP)-binding proteins that associate with microtubules and are involved in vesicular transport. The encoded protein functions in the development of megakaryocytes. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the Dynamin 3 antibody should be determined by the researcher.

Immunogen

An E. coli-derived human protein (amino acids N295-N712) was used as the immunogen for the Dynamin 3 antibody.

Storage

After reconstitution, the Dynamin 3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.