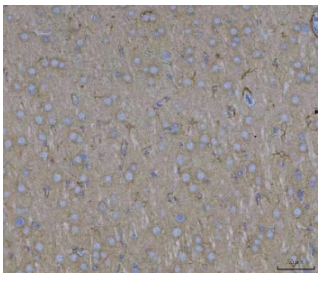
ADAM22 Antibody (RQ7369)

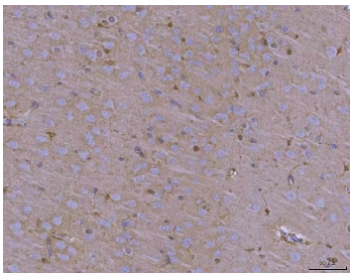
Catalog No.	Formulation	Size
RQ7369	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

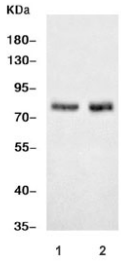
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9P0K1
Localization	Cell membrane
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This ADAM22 antibody is available for research use only.



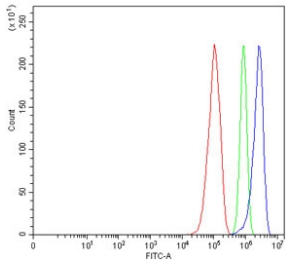
IHC staining of FFPE rat brain tissue with ADAM22 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse brain tissue with ADAM22 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat brain and 2) mouse brain tissue lysate with ADAM22 antibody. Predicted molecular weight: 91-100 kDa, commonly observed at 70-90 kDa.



Flow cytometry testing of human RT4 cells with ADAM22 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ADAM22 antibody.

Description

Disintegrin and metalloproteinase domain-containing protein 22 also known as ADAM22 is an enzyme that in humans is encoded by the ADAM22 gene. This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. Unlike other members of the ADAM protein family, the protein encoded by this gene lacks metalloprotease activity since it has no zinc-binding motif. This gene is highly expressed in the brain and may function as an integrin ligand in the brain. In mice, it has been shown to be essential for correct myelination in the peripheral nervous system. Alternative splicing results in several transcript variants.

Application Notes

Optimal dilution of the ADAM22 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids S223-R829) was used as the immunogen for the ADAM22 antibody.

Storage

After reconstitution, the ADAM22 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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