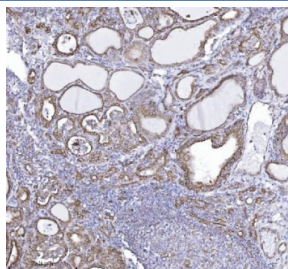


DBN1 Antibody / Drebrin 1 [clone 4F6E7] (RQ7115)

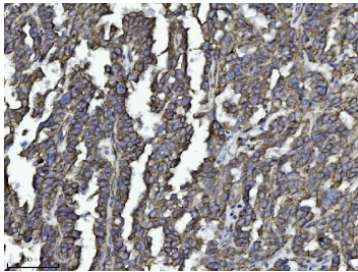
Catalog No.	Formulation	Size
RQ7115	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

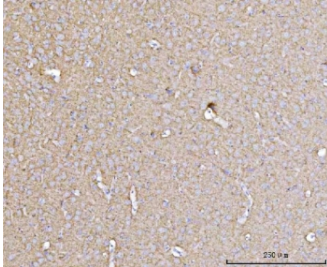
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	4F6E7
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q16643
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This DBN1 antibody is available for research use only.



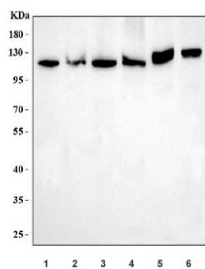
IHC staining of FFPE human thyroid cancer tissue with DBN1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



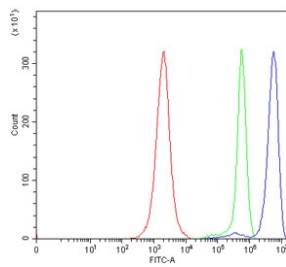
IHC staining of FFPE human ovarian serous carcinoma tissue with DBN1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue with DBN1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HeLa, 2) human MOLT4, 3) human 293T, 4) monkey COS-7, 5) rat brain and 6) mouse brain tissue lysate with DBN1 antibody. Expected molecular weight: 70-120 kDa.



Flow cytometry testing of human JK cells with DBN1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= DBN1 antibody

Description

Drebrin is a protein that in humans is encoded by the DBN1 gene. The protein encoded by this gene is a cytoplasmic actin-binding protein thought to play a role in the process of neuronal growth. It is a member of the drebrin family of proteins that are developmentally regulated in the brain. A decrease in the amount of this protein in the brain has been implicated as a possible contributing factor in the pathogenesis of memory disturbance in Alzheimer's disease. At least two alternative splice variants encoding different protein isoforms have been described for this gene.

Application Notes

Optimal dilution of the DBN1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids H9-D649) was used as the immunogen for the DBN1 antibody.

Storage

After reconstitution, the DBN1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

