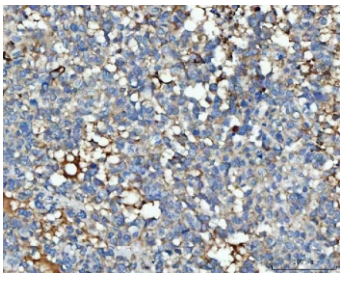
Thrombospondin-3 Antibody / THBS3 / TSP3 (RQ7484)

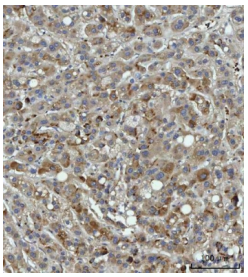
Catalog No.	Formulation	Size
RQ7484	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

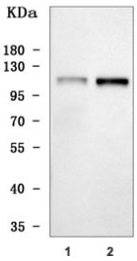
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P49746
Localization	Perinuclear, extracellular
Applications	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 Thrombospondin-3 antibody is available for research use only.



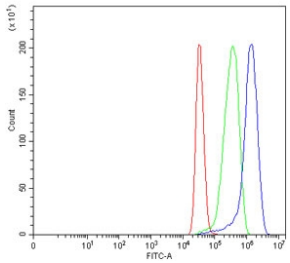
IHC staining of FFPE human breast cancer tissue with Thrombospondin-3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human liver cancer tissue with Thrombospondin-3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) SH-SY5Y and 2) MCF7 cell lysate with Thrombospondin-3 antibody. Predicted molecular weight ~104 kDa but may be observed at higher molecular weights due to glycosylation.



Flow cytometry testing of human MCF7 cells with Thrombospondin-3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Thrombospondin-3 antibody.

Description

Thrombospondin-3 (TSP3) is a protein that in humans is encoded by the THBS3 gene. The protein encoded by this gene belongs to the thrombospondin family. Thrombospondin family members are adhesive glycoproteins that mediate cell-to-cell and cell-to-matrix interactions. This protein forms a pentameric molecule linked by a single disulfide bond. This gene shares a common promoter with metaxin 1. Alternate splicing results in coding and non-coding transcript variants.

Application Notes

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

Immunogen

E. coli-derived recombinant human protein (amino acids Q23-T486) was used as the immunogen for the Thrombospondin-3 antibody.

Storage

After reconstitution, the Thrombospondin-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.

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