ENPP2 Antibody / Autotaxin (F54782)

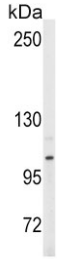
Catalog No.	Formulation	Size
F54782-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54782-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

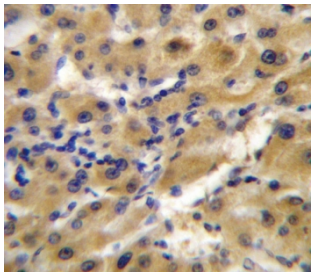
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q13822
Applications	Flow cytometry: 1:25 (1x10e6 cells) Western blot: 1:500-1:1000 Immunohistochemistry (FFPE): 1:25
Limitations	This ENPP2 antibody is available for research use only.



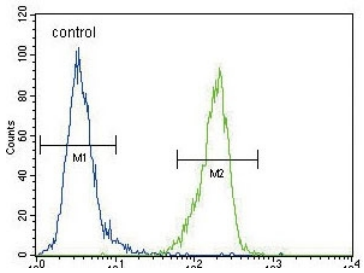
Western blot testing of mouse cerebellum tissue lysate with ENPP2 antibody. Expected molecular weight: 99-125 kDa depending on glycosylation level.



Western blot testing of human Y79 cell lysate with ENPP2 antibody. Expected molecular weight: 99-125 kDa depending on glycosylation level.



IHC testing of FFPE human hepatocellular carcinoma tissue with ENPP2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human MDA-MB-435 cells with ENPP2 antibody; Blue=isotype control, Green= ENPP2 antibody.

Description

ENPP2 functions as both a phosphodiesterase, which cleaves phosphodiester bonds at the 5' end of oligonucleotides, and a phospholipase, which catalyzes production of lysophosphatidic acid (LPA) in extracellular fluids. LPA evokes growth factor-like responses including stimulation of cell proliferation and chemotaxis. This protein stimulates the motility of tumor cells and has angiogenic properties, and its expression is upregulated in several kinds of carcinomas. This protein is secreted and further processed to make the biologically active form.

Application Notes

The stated application concentrations are suggested starting points. Titration of the ENPP2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 401-430 from the human protein was used as the immunogen for the ENPP2 antibody.

Storage

Aliquot the ENPP2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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