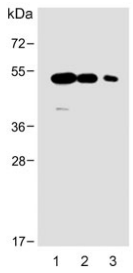
ENT1 Antibody (F54342)

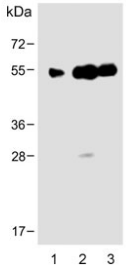
Catalog No.	Formulation	Size
F54342-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54342-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

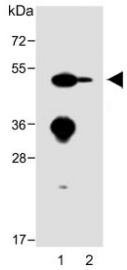
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q99808
Applications	Western Blot : 1:500-1:2000 Flow Cytometry : 1:25 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:25
Limitations	This ENT1 antibody is available for research use only.



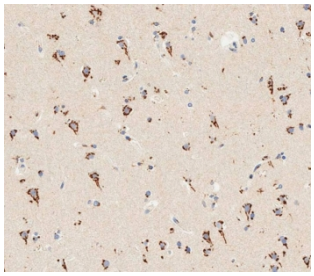
Western blot testing of human 1) brain, 2) breast and 3) placenta lysate with ENT1 antibody. Predicted molecular weight ~50 kDa.



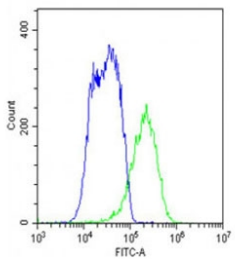
Western blot testing of human 1) heart, 2) breast and 3) placenta lysate with ENT1 antibody. Predicted molecular weight ~50 kDa.



Western blot testing of mouse 1) heart and 2) liver lysate with ENT1 antibody. Predicted molecular weight ~50 kDa.



IHC testing of FFPE human brain tissue with ENT1 antibody. HIER: steam section in pH9 EDTA for 20 min and allow to cool prior to staining.



Flow cytometry testing of fixed and permeabilized human HepG2 cells with ENT1 antibody; Blue=isotype control, Green= ENT1 antibody.

Description

ENT1, or Equilibrative nucleoside transporter 1, is a member of the equilibrative nucleoside transporter family. It is a transmembrane glycoprotein that localizes to the plasma and mitochondrial membranes and mediates the cellular uptake of nucleosides from the surrounding medium. The protein is categorized as an equilibrative (as opposed to concentrative) transporter that is sensitive to inhibition by nitrobenzylthioinosine (NBMPR). Nucleoside transporters are required for nucleotide synthesis in cells that lack de novo nucleoside synthesis pathways, and are also necessary for the uptake of cytotoxic nucleosides used for cancer and viral chemotherapies.

Application Notes

The stated application concentrations are suggested starting points. Titration of the ENT1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 402-431 from the human protein was used as the immunogen for the ENT1 antibody.

Storage

Aliquot the ENT1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.