



ENTPD8 polyclonal antibody

Catalog: BS35163

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Ectonucleoside triphosphate diphosphohydrolase 8: Canalicular ectonucleoside NTPDase responsible for the main hepatic NTPDase activity. Catalyzes the hydrolysis of nucleoside triphosphates (NTPs) and diphosphates (NDPs). The enzyme sequentially removes phosphate groups in two successive steps, converting NTPs to nucleoside monophosphates (NMPs) via NDP intermediates. This activity contributes to the regulation of extracellular levels of nucleotides. Hydrolyzes ATP, UTP, ADP, and UDP and prefers triphosphonucleosides and adenine over uracil as substrates. Does not hydrolyzes AMP

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~53.9 kDa

Swiss-Prot:

Q5MY95

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of ENTPD8 protein

DATA:

Western blot analysis of PSMD10 expression in SW620 (A) whole cell lysates.

Immunohistochemical analysis of PSMD10 staining in rat brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunofluorescent analysis of PSMD10 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Note:

For research use only, not for use in diagnostic procedure.

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