

ENPP7

Reactivity: Human

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 52kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human ENPP7

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

ALK-SMase;

Catalog #: A2912

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 339221

Isotype: IgG

Swiss Prot: Q6UWV6

Purity: Affinity purification

For research use only.

Background:

Ectonucleotide pyrophosphatase/phosphodiesterase family member 7 (E-NPP 7) also known as alkaline sphingomyelin phosphodiesterase (Alk-SMase) or intestinal alkaline sphingomyelinase is an enzyme that in humans is encoded by the ENPP7 gene. Converts sphingomyelin to ceramide. Also has phospholipase C activity toward palmitoyl lyso-phosphocholine. Does not appear to have nucleotide pyrophosphatase activity. Inhibited in a dose dependent manner by ATP, imidazole, orthovanadate and zinc ion. Not inhibited by ADP, AMP and EDTA. Detected in the colon (at protein level). Expressed in the duodenum, jejunum and liver and at low levels in the ileum. Expression was very low in the esophagus, stomach and colon.

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