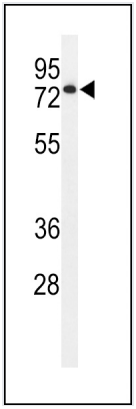
ENPP7 Antibody – Rabbit Polyclonal

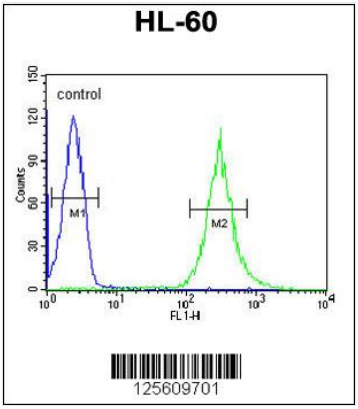
PRODUCT OVERVIEW

Product Name	ENPP7, Polyclonal Antibody
Full Product Name	ENPP7 Antibody (Center)
Product Gene Name	anti-ENPP7 antibody
Product Synonym Names	Ectonucleotide pyrophosphatase/phosphodiesterase family member 7; E-NPP 7; NPP-7; Alkaline sphingomyelin phosphodiesterase; Intestinal alkaline sphingomyelinase; Alk-SMase; ENPP7 {ECO:0000312|EMBL:AAH414532}
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
Specificity	This ENPP7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 286-313 amino acids from the Central region of human ENPP7.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	ENPP7 peptide (MBS9225427) is used for blocking the activity of ENPP7 antibody (MBS9211662)
Molecular Weight	51494
Immunogen Sequence Positions	286-313
3D Structure	ModBase 3D Structure for Q6UWV6
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-ENPP7 antibody	Cancer; Cell biology
Applications Tested/Suitable for anti-ENPP7 antibody	Western Blot (WB), ELISA (EIA), Flow Cytometry (FC/FACS)
Application Notes for anti-ENPP7 antibody	WB~~1:1000
Related Product Information for anti-ENPP7 antibody	ENPP7 converts sphingomyelin to ceramide. ENPP7 also has phospholipase C activity toward palmitoyl lyso-phosphocholine. ENPP7 does not appear to have nucleotide pyrophosphatase activity.
Product References and Citations for anti-ENPP7 antibody	Wu, J., et al. Biochem. J. 386 (PT 1), 153-160 (2005) Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004) Wu, J., et al. Carcinogenesis 25(8):1327-1333(2004)
Other Notes	Small volumes of anti-ENPP7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for ENPP7 purchase	MBS9211662 is an antibody targeting ENPP7. Also known as ENPP7 Antibody (Center). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-ENPP7 antibody
Western blot analysis of ENPP7 Antibody (Center) in HL-60 cell line lysates (35ug/lane). ENPP7 (arrow) was detected using the purified Pab.



Flow Cytometry (FC/FACS) of anti-ENPP7 antibody
ENPP7 Antibody (Center) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ENPP7. It may not necessarily be applicable to this product.

NCBI GI #	530788254
NCBI GeneID	339221
NCBI Accession #	NP_848638.3
UniProt Primary Accession #	Q6UWV6
UniProt Secondary Accession #	Q6ZTS5; Q8IUS8
UniProt Related Accession #	Q6UWV6
GenBank Nucleotide #	NM_178543.4
NCBI Official Full Name	ectonucleotide pyrophosphatase/phosphodiesterase family member 7
NCBI Official Synonym Full Names	ectonucleotide pyrophosphatase/phosphodiesterase 7
NCBI Official Symbol	ENPP7
NCBI Official Synonym Symbols	NPP7; NPP-7; E-NPP 7; ALK-SMase
UniProt Protein Name	Ectonucleotide pyrophosphatase/phosphodiesterase family member 7
UniProt Synonym Protein Names	Alkaline sphingomyelin phosphodiesterase; Intestinal alkaline sphingomyelinase; Alk-SMase
Protein Family	Ectonucleotide pyrophosphatase/phosphodiesterase family
UniProt Gene Name	ENPP7
UniProt Synonym Gene Names	E-NPP 7; NPP-7; Alk-SMase
UniProt Entry Name	ENPP7_HUMAN
NCBI Protein Information	ectonucleotide pyrophosphatase/phosphodiesterase family member 7

UniProt Comments for ENPP7	ENPP7: Converts sphingomyelin to ceramide. Also has phospholipase C activity toward palmitoyl lyso-phosphocholine. Does not appear to have nucleotide pyrophosphatase activity. Belongs to the nucleotide pyrophosphatase/phosphodiesterase family. Protein type: Motility/polarity/chemotaxis; Phosphodiesterase; Cell cycle regulation; EC 3.1.4.12; Membrane protein, integral; Lipid Metabolism - sphingolipid; DNA replication Chromosomal Location of Human Ortholog: 17q25.3 Cellular Component: Golgi apparatus; microvillus; membrane; integral to membrane; plasma membrane Molecular Function: sphingomyelin phosphodiesterase activity Biological Process: negative regulation of cell proliferation; sphingomyelin metabolic process; sphingolipid metabolic process; negative regulation of DNA replication; glycosphingolipid metabolic process; sphingomyelin catabolic process
Research Articles on ENPP7	**1.** NPP7 activity and the ratio of 1.4/1.2 kb products in bile are significantly decreased in malignancy, particularly in cholangiocarcinoma.
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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/enpp7/9211662