



Rabbit Anti-ENPP7 antibody

SL4277R

Product Name:	ENPP7
Chinese Name:	碱性鞘磷脂酶7抗体
Alias:	ALK SMase; Alk-SMase; Alkaline sphingomyelin phosphodiesterase; E-NPP 7; Ectonucleotide pyrophosphatase/phosphodiesterase 7; Ectonucleotide pyrophosphatase/phosphodiesterase family member 7; ENPP7; ENPP7_HUMAN; Intestinal alkaline sphingomyelinase; NPP-7.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	50kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ENPP7:351-458/458
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Converts sphingomyelin to ceramide. Also has phospholipase C activity toward palmitoyl lyso-phosphocholine. Does not appear to have nucleotide pyrophosphatase activity. Function:

Converts sphingomyelin to ceramide. Also has phospholipase C activity toward palmitoyl lyso-phosphocholine. Does not appear to have nucleotide pyrophosphatase activity.

Subcellular Location:

Membrane; Single-pass type I membrane protein (Potential). Note=Localized at the surface of the microvillar membrane in small intestine enterocytes, and in endosome-like structures situated beneath the microvillar membrane, and in Golgi complex.

Tissue Specificity:

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.

Post-translational modifications:

N-glycosylated; required for activity and transport to the plasma membrane.

Similarity:

Belongs to the nucleotide pyrophosphatase/phosphodiesterase family.

SWISS:

Q6UWV6

Gene ID:

339221

Database links:

[Entrez Gene: 339221](#)Human

[Entrez Gene: 238011](#)Mouse

[Entrez Gene: 303729](#)Rat

[SwissProt: Q6UWV6](#)Human

[SwissProt: Q5EZ72](#)Rat

[Unigene: 114084](#)Human

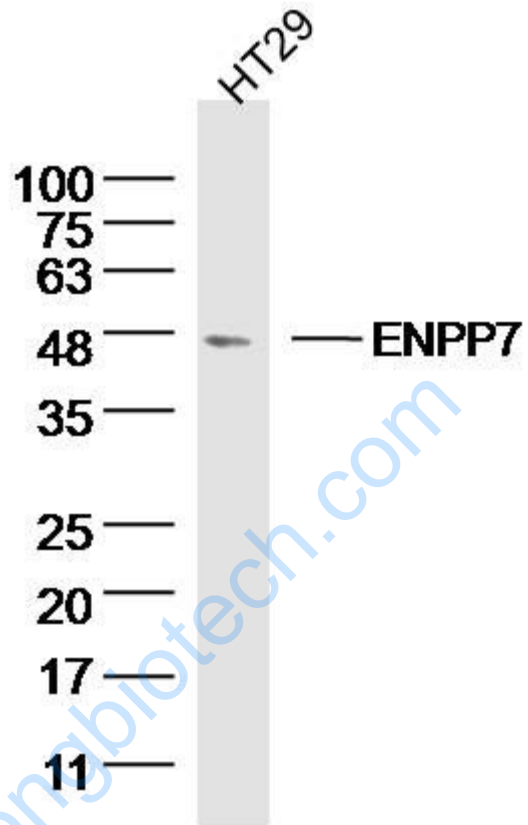
[Unigene: 244114](#)Mouse

[Unigene: 211790](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



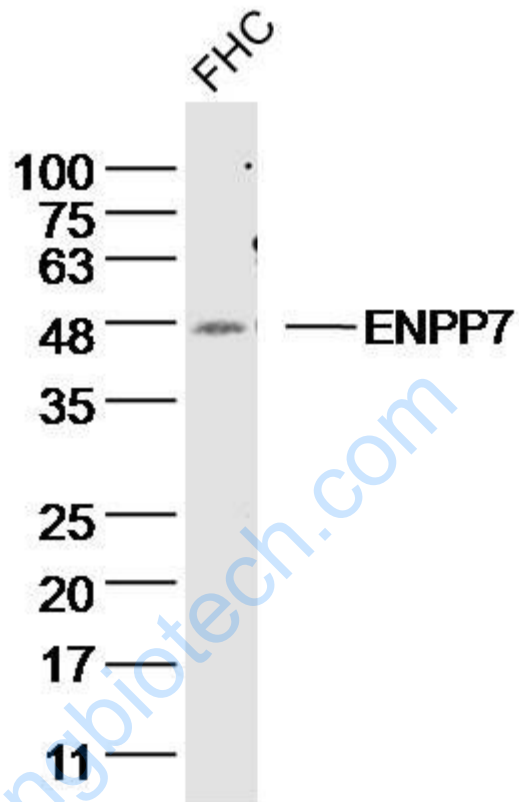
Sample: HT29 (human)Cell Lysate at 40 ug

Primary: Anti- ENPP7 (SL4277R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 50 kD

Observed band size: 50 kD



Sample: FHC (human) Cell Lysate at 40 ug

Primary: Anti- ENPP7 (SL4277R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 50 kD

Observed band size: 48 kD