10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-ENPP3 / CD203c Reference Antibody (Ags-16C3F)

Recombinant Antibody
Catalog # APR10726

Specification

Anti-ENPP3 / CD203c Reference Antibody (Ags-16C3F) - Product Information

Application	**FC, Kinetics, Animal Model**
Primary Accession	O14638
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**154.04 KDa**

Anti-ENPP3 / CD203c Reference Antibody (Ags-16C3F) - Additional Information

Target/Specificity
ENPP3 / CD203c

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-ENPP3 / CD203c Reference Antibody (Ags-16C3F) - Protein Information

Name ENPP3 (HGNC:3358)

Function
Hydrolase that metabolizes extracellular nucleotides, including ATP, GTP, UTP and CTP (PubMed:29717535, PubMed:9344668). Limits mast cells and basophils response during inflammation and during the chronic phases of allergic responses by eliminating extracellular ATP, a signaling molecule activating these cells in an autocrine manner. Metabolizes extracellular ATP in the lumen of the small intestine, and thereby prevents ATP-induced apoptosis of intestinal plasmacytoid dendritic cells (By similarity). Has a broad specificity and can also hydrolyze UDP-GlcNAc into UMP and GlcNAc-1-phosphate and potentially several other intracellular nucleotide sugars, including UDP-GalNAc, CMP-NeuAc, GDP-Fuc, and UDP-GlcA. Thereby, could modulate glycan biosynthesis and protein glycosylation (By similarity). Can hydrolyze extracellular dinucleoside polyphosphates, including the vasoactive adenosine polyphosphates as well (PubMed:<a href="http://www.uniprot.org/citations/12846830"

target="_blank">12846830). In addition, displays an alkaline phosphodiesterase activity in vitro (PubMed:11342463).

Cellular Location
Cell membrane; Single-pass type II membrane protein. Apical cell membrane; Single-pass type II membrane protein. Secreted Note=Detected at the cell surface of basophils (PubMed:11342463) Detected at the apical plasma membrane of bile duct cells (PubMed:15072822). Located to the apical surface in intestinal and kidney epithelial cells. Secreted in serum, and in lumen of epithelial cells.

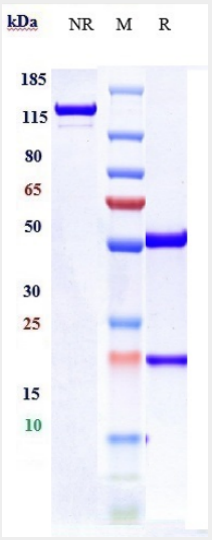
Tissue Location
Detected on bile ducts in liver, and in blood serum (at protein level) (PubMed:15072822). Detected in prostate and uterus (PubMed:9344668). Detected on basophils, but not neutrophils (PubMed:11342463).

Anti-ENPP3 / CD203c Reference Antibody (Ags-16C3F) - Protocols

Provided below are standard protocols that you may find useful for product applications.

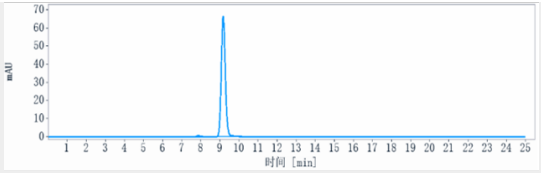
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-ENPP3 / CD203c Reference Antibody (Ags-16C3F) - Images



Anti-ENPP3 / CD203c Reference Antibody (Ags-16C3F) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



The purity of Anti-ENPP3 / CD203c Reference Antibody (Ags-16C3F)is more than 95% ,determined by SEC-HPLC.