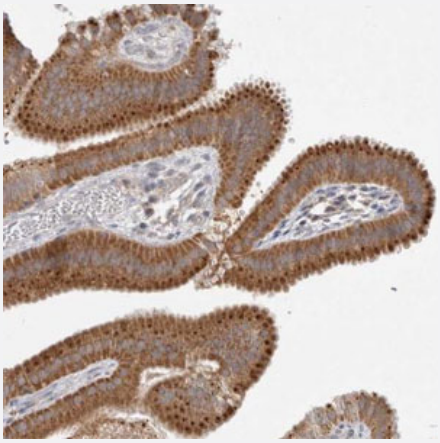
NPC1 polyclonal antibody

Catalog # PAB30241 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human gall bladder with NPC1 polyclonal antibody (Cat # PAB30241) shows strong cytoplasmic positivity in glandular cells at 1:50 - 1:200 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human NPC1.
Immunogen	Recombinant protein corresponding to amino acids of human NPC1.
Sequence	VLNKVDIGLDQSLSMPDDSYMVDYFKSISQYLHAGPPVYFVLEEGHDYTSSKGQNMVCGGMGCN NDSLVQQIFNAAQLDNYTRIGFAPSSWIDDYFDWVKPQSSCCRVDNITDQFCNASVVD
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human gall bladder with NPC1 polyclonal antibody (Cat # PAB30241) shows strong cytoplasmic positivity in glandular cells at 1:50 - 1:200 dilution.

Gene Info — NPC1

Entrez GeneID	4864
Protein Accession#	O15118
Gene Name	NPC1
Gene Alias	NPC
Gene Description	Niemann-Pick disease, type C1
Omim ID	257220 607623
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a large protein that resides in the limiting membrane of endosomes and lysos omes and mediates intracellular cholesterol trafficking via binding of cholesterol to its N-terminal d omain. It is predicted to have a cytoplasmic C-terminus, 13 transmembrane domains, and 3 large loops in the lumen of the endosome - the last loop being at the N-terminus. This protein transports low-density lipoproteins to late endosomal/lysosomal compartments where they are hydrolized an d released as free cholesterol. Defects in this gene cause Niemann-Pick type C disease, a rare a utosomal recessive neurodegenerative disorder characterized by over accumulation of cholestero l and glycosphingolipids in late endosomal/lysosomal compartments
Other Designations	-

Pathway

- Lysosome

Disease

- Alzheimer disease
- Birth Weight
- Cardiovascular Diseases
- Coronary Artery Disease
- Coronary Disease
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Lymphoma
- Metabolic Syndrome X
- Neoplasms
- Niemann-Pick Disease
- Obesity
- Osteoporosis
- Overweight