

Product Datasheet

CLPTM1L Antibody - BSA Free NBP1-84378

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-84378

CLPTM1L Antibody - BSA Free

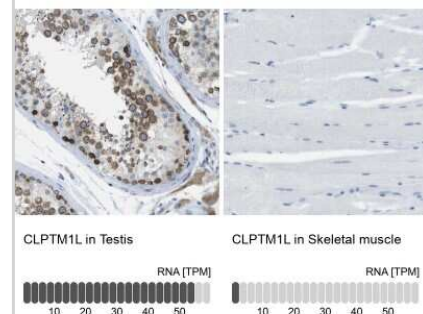
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	81037
Gene Symbol	CLPTM1L
Species	Human
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 24648346).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LNVEDFDVESKFERTVNVSVPKKTRNNGTLYAYIFLHHAGVLPWHDGKQVHLV SPLTTYMVPKPEEINLLTGESDTQQIEAEKKPTSALDEPVSHPWRPRLALNVMAD NFVFDGSSLPADVHRYMKMIQLGKTVHYL

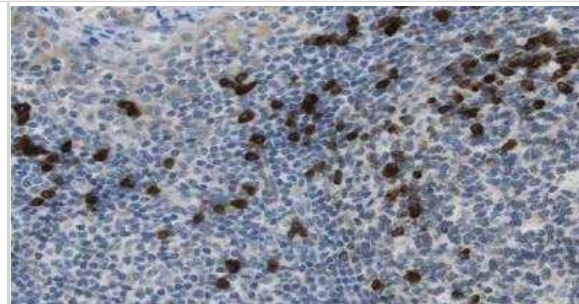
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500-1:1000
Application Notes	IHC, ICC/IF reported in scientific literature (PMID: 24648346). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

Images

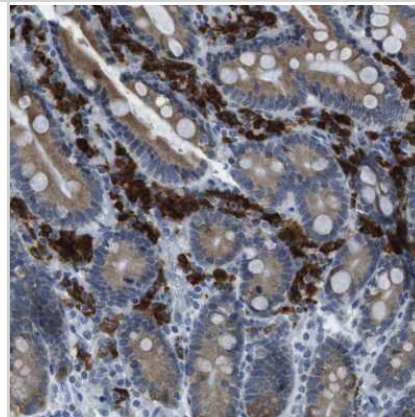
Immunohistochemistry-Paraffin: CLPTM1L Antibody [NBP1-84378] - Analysis in human testis and skeletal muscle tissues. Corresponding CLPTM1L RNA-seq data are presented for the same tissues.



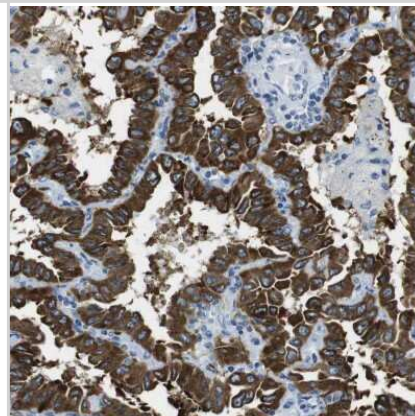
Immunohistochemistry-Paraffin: CLPTM1L Antibody [NBP1-84378] - Staining of human tonsil shows strong cytoplasmic positivity in non-germinal center cells.



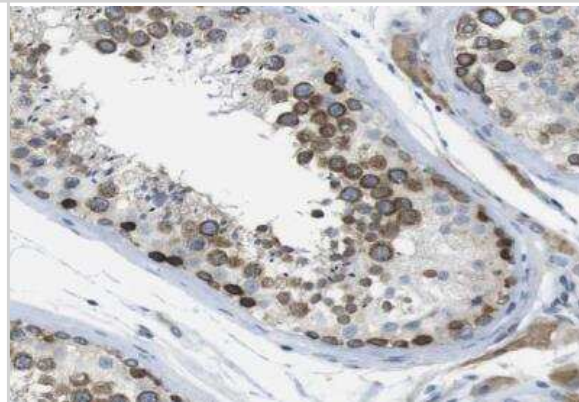
Immunohistochemistry-Paraffin: CLPTM1L Antibody [NBP1-84378] - Staining of human duodenum shows strong cytoplasmic positivity in lymphoid cells.



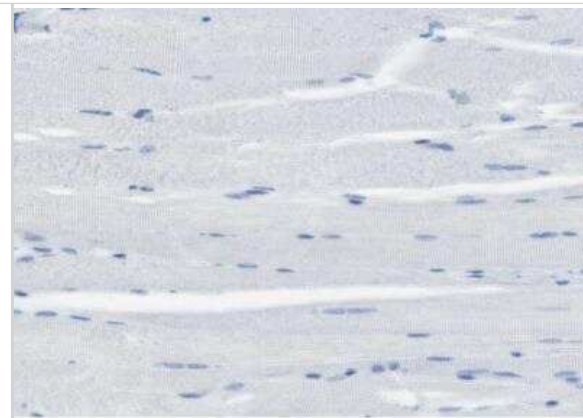
Immunohistochemistry-Paraffin: CLPTM1L Antibody [NBP1-84378] - Staining of human lung cancer, adenocarcinoma shows strong positivity.



Immunohistochemistry-Paraffin: CLPTM1L Antibody [NBP1-84378] - Staining of human testis shows moderate to strong cytoplasmic positivity in cells in seminiferous ducts.

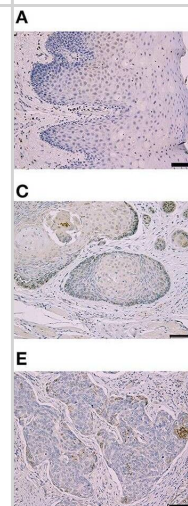


Immunohistochemistry-Paraffin: CLPTM1L Antibody [NBP1-84378] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry: CLPTM1L Antibody [NBP1-84378] - Representative Immunohistochemical staining according to Cleft Lip & Palate Transmembrane 1-Like (Clptm1L) & TMEM207 immunoreactivity at the invasion front of oral squamous cell carcinoma (OSCC). Weak Clptm1L or TMEM207 immunoreactivity was found in non-tumorous oral epithelial cells (A,B), respectively. In contrast, Clptm1L or TMEM207 immunoreactivity was found in many invasive OSCC cells.

Representative positive Clptm1L immunoreactivity in tissue specimens from patients with favorable & poor prognosis is shown in (C,D), respectively. TMEM207 immunoreactivity in tissue specimens from patients with favorable & poor prognosis is shown in (E,F), respectively. Note the robust Clptm1L & TMEM207 immunoreactivity in (D,F). Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/35047994>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Hano K, Hatano K, Saigo C et al. Combination of Clptm1L and TMEM207 Expression as a Robust Prognostic Marker in Oral Squamous Cell Carcinoma *Frontiers in Oral Health* 2021-03-29 [PMID: 35047994] (Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Human)

Inoue K, Hatano K, Hanamatsu Y et al. Pathobiological role of cleft palate transmembrane protein 1 family proteins in oral squamous cell carcinoma. *J. Cancer Res. Clin. Oncol.* 2019-01-11 [PMID: 30635792] (IF/IHC, Human)

Jia J, Bosley AD, Thompson A et al. CLPTM1L promotes growth and enhances aneuploidy in pancreatic cancer cells. *Cancer Res* 2014-05-15 [PMID: 24648346] (ICC/IF, IF/IHC, Human)



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Products Related to NBP1-84378

NBP1-84378PEP	CLPTM1L Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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