

LRTOMT Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21148a

Specification

LRTOMT Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q8WZ04
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	32155

LRTOMT Antibody (N-term) - Additional Information

Gene ID 220074

Other Names

Transmembrane O-methyltransferase, Catechol O-methyltransferase 2, Protein LRTOMT2, LRTOMT, COMT2, TOMT

Target/Specificity

This LRTOMT antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 2-36 amino acids from the N-terminal region of human LRTOMT.

Dilution

WB~~1:4000

E~~Use at an assay dependent concentration.

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.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

LRTOMT Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

LRTOMT Antibody (N-term) - Protein Information

Name TOMT ([HGNC:55527](#))

Function Catalyzes the O-methylation, and thereby the inactivation, of catecholamine neurotransmitters and catechol hormones (By similarity). Required for auditory function

(PubMed:[18794526](#)). Component of the cochlear hair cell's mechanotransduction (MET) machinery. Involved in the assembly of the asymmetric tip-link MET complex. Required for transportation of TMC1 and TMC2 proteins into the mechanically sensitive stereocilia of the hair cells. The function in MET is independent of the enzymatic activity (By similarity).

Cellular Location

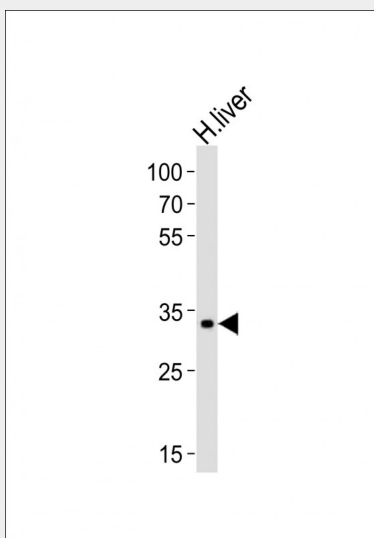
[Isoform 1]: Membrane; Single-pass membrane protein

LRTOMT Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LRTOMT Antibody (N-term) - Images



Western blot analysis of lysate from human liver tissue lysate, using LRTOMT Antibody (N-term)(Cat. #AP21148a). AP21148a was diluted at 1:4000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

LRTOMT Antibody (N-term) - Background

Catalyzes the O-methylation, and thereby the inactivation, of catecholamine neurotransmitters and catechol hormones (By similarity). Required for auditory function.

LRTOMT Antibody (N-term) - References

Ahmed Z.M.,et al.Nat. Genet. 40:1335-1340(2008).
Wan D.,et al.Proc. Natl. Acad. Sci. U.S.A. 101:15724-15729(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Taylor T.D.,et al.Nature 440:497-500(2006).

Du X.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:14609-14614(2008).