

LYPD6B/CT116 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57161

Specification

LYPD6B/CT116 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8NI32
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LYPD6B/CT116
Epitope Specificity	51-150/183
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Lipid-anchor; GPI-anchor.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

The second largest human chromosome, 2 consists of 237 million bases encoding over 1,400 genes and making up approximately 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2. Harlequin ichthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alström syndrome is due to mutations in the ALMS1 gene. Interestingly, chromosome 2 contains what appears to be a vestigial second centromere and vestigial telomeres which gives credence to the hypothesis that human chromosome 2 is the result of an ancient fusion of two ancestral chromosomes seen in modern form today in apes. The LOC130576 gene product has been provisionally designated LOC130576 pending further characterization.

LYPD6B/CT116 Polyclonal Antibody - Additional Information

Gene ID 130576

Other Names

Ly6/PLAUR domain-containing protein 6B, LYPD6B

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A

\>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

LYPD6B/CT116 Polyclonal Antibody - Protein Information

Name LYPD6B

Function

Likely acts as a modulator of nicotinic acetylcholine receptors (nAChRs) activity (PubMed:26586467, PubMed:34631692). In vitro acts on nAChRs in a subtype- and stoichiometry-dependent manner (PubMed:26586467). Modulates specifically alpha-3(3):beta-4(2) nAChRs by enhancing the sensitivity to ACh, decreasing ACh-induced maximal current response and increasing the rate of desensitization to ACh; has no effect on alpha-7 homomeric nAChRs; modulates alpha-3(2):alpha-5:beta-4(2) nAChRs in the context of CHRNA5/alpha-5 variant Asn-398 but not its wild-type sequence (PubMed:26586467). However, according to another report in vitro it can weakly inhibits alpha-7 nAChRs (PubMed:34631692).

Cellular Location

Cell membrane; Lipid-anchor, GPI- anchor

LYPD6B/CT116 Polyclonal Antibody - 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](#)

LYPD6B/CT116 Polyclonal Antibody - Images