

Product datasheet

Anti-LMBRD1 antibody ab105419

3 Images

Overview

Product name	Anti-LMBRD1 antibody
Description	Rabbit polyclonal to LMBRD1
Host species	Rabbit
Specificity	LMBRD1 antibody is predicted to not cross-react with other LMBRD1 family members.
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	An 18 amino acid peptide from the C-terminus of Human LMBRD1 (NP_060838)
Positive control	Human Brain Tissue Lysate
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab105419 in the following tested applications.

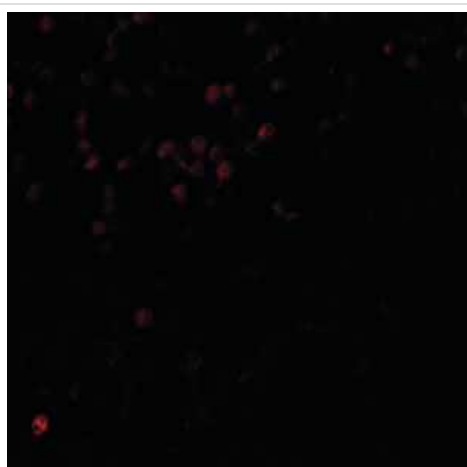
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 20 µg/ml.
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 61 kDa.
IHC-P		Use at an assay dependent concentration.

Target

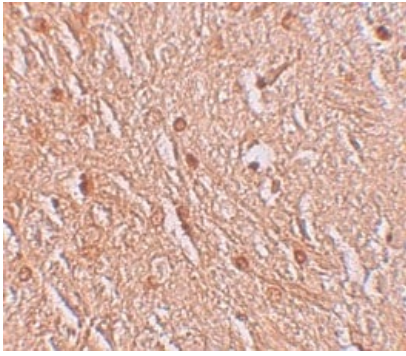
Function	Probable lysosomal cobalamin transporter. Required to export cobalamin from lysosomes allowing its conversion to cofactors. Isoform 3 may play a role in the assembly of hepatitis delta virus (HDV).
Tissue specificity	Isoform 3 is expressed in liver.
Involvement in disease	Defects in LMBRD1 are the cause of methylmalonic aciduria and homocystinuria type cb1F (MMAFHC) [MIM:277380]; also known as homocystinuria-megaloblastic anemia complementation type F. MMAFHC is a disorder of cobalamin metabolism characterized by decreased levels of the coenzymes adenosylcobalamin (AdoCbl) and methylcobalamin (MeCbl). It is due to accumulation of free cobalamin in lysosomes, thus hindering its conversion to cofactors. Clinical features include developmental delay, stomatitis, glossitis, seizures and methylmalonic aciduria responsive to vitamin B12.
Sequence similarities	Belongs to the LMR family. LMBRD1 subfamily.
Post-translational modifications	N-glycosylated.
Cellular localization	Lysosome membrane.

Images



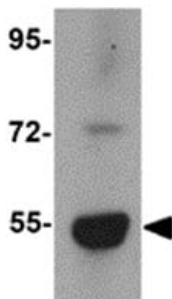
Immunofluorescence of LMBRD1 in Human brain tissue with ab105419 at 20 µg/mL.

Immunocytochemistry/ Immunofluorescence - Anti-LMBRD1 antibody (ab105419)



Immunohistochemistry of LMBRD1 in Human brain tissue with ab105419 at 2.5 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LMBRD1 antibody (ab105419)



Anti-LMBRD1 antibody (ab105419) at 1 µg/ml + Human brain tissue lysate at 15 µg

Predicted band size: 61 kDa

Western blot - Anti-LMBRD1 antibody (ab105419)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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