abcam

Product datasheet

Anti-ARL13B antibody ab153725

3 Images

Overview

Product name	Anti-ARL13B antibody
Description	Rabbit polyclonal to ARL13B
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	A recombinant fragment corresponding to a region within amino acids 141 and 428 of Human ARL13B
Positive control	293T cell lysate; Mouse liver tissue lysate; Paraffin-embedded U87 xenograft
General notes	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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our Abpromise guarantee covers the use of ab153725 in the following tested applications.

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

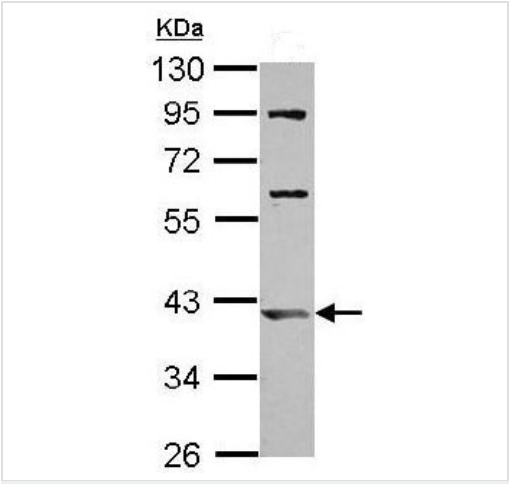
Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 48 kDa.
IHC-P		1/100 - 1/1000.

Target

Involvement in disease Defects in ARL13B are the cause of Joubert syndrome type 8 (JBTS8) [MIM:612291]. JBTS is an autosomal recessive disorder presenting with cerebellar ataxia, oculomotor apraxia, hypotonia, neonatal breathing abnormalities and psychomotor delay. Neuroradiologically, it is characterized by cerebellar vermis hypoplasia/aplasia, thickened and reoriented superior cerebellar peduncles, and an abnormally large interpeduncular fossa, giving the appearance of a molar tooth on transaxial slices (molar tooth sign). Additional variable features include retinal dystrophy and renal disease.

Sequence similarities Belongs to the small GTPase superfamily. Arf family.

Images

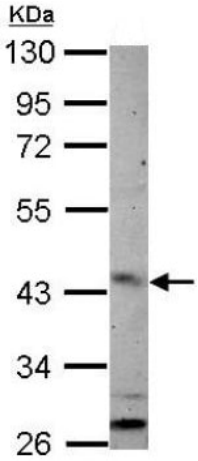


Western blot - Anti-ARL13B antibody (ab153725)

Anti-ARL13B antibody (ab153725) at 1/1000 dilution + 293T cell lysate at 30 µg

Predicted band size: 48 kDa

10% SDS PAGE

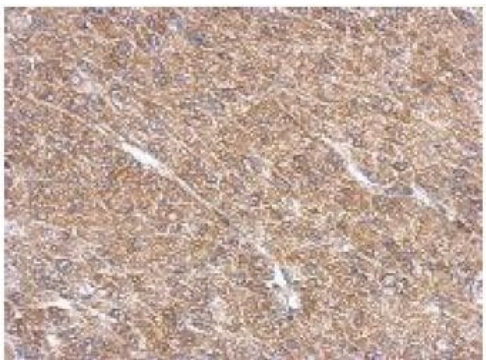


Western blot - Anti-ARL13B antibody (ab153725)

Anti-ARL13B antibody (ab153725) at 1/1000 dilution + Mouse liver tissue lysate at 50 µg

Predicted band size: 48 kDa

10% SDS PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARL13B antibody (ab153725)

Immunohistochemical analysis of paraffin-embedded U87 xenograft, labeling ARL13B using ab153725 at 1/500 dilution.

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery

- Response to your inquiry within 24 hours
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