

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	<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. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 20% Glycerol (glycerin, glycerine), 79% PBS
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

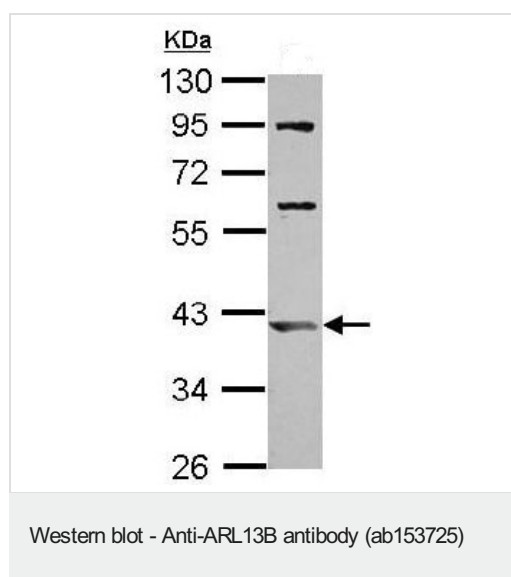
Involvement in disease

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.

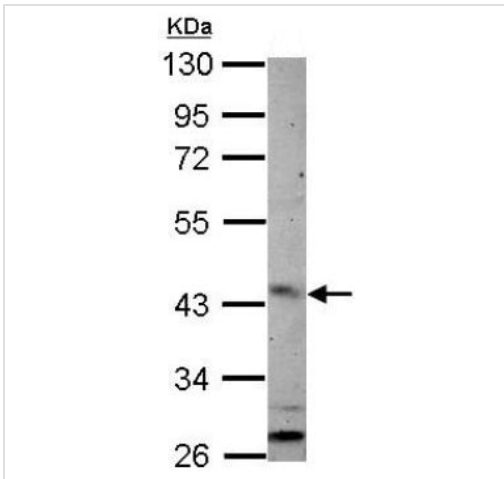
Images



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

Predicted band size: 48 kDa

10% SDS PAGE

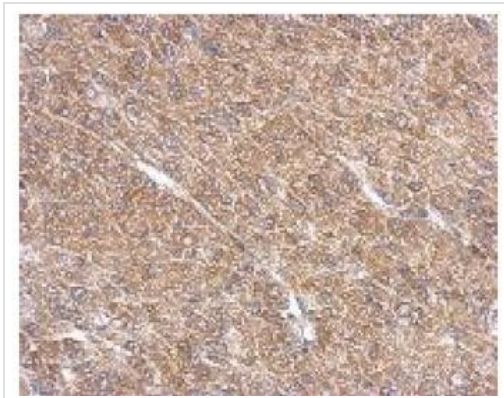


Western blot - Anti-ARL13B antibody (ab153725)

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.

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

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