

Datasheet for ABIN7600179
anti-ARL13B antibody (AA 16-428)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ARL13B
Binding Specificity:	AA 16-428
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARL13B antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ARL13B Antibody Picoband®
Immunogen:	E.coli-derived human ARL13B recombinant protein (Position: R16-S428).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ARL13B Antibody Picoband® (ABIN7600179). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ARL13B
Alternative Name:	ARL13B (ARL13B Products)
Background:	<p>Synonyms: Calretinin, CR, 29 kDa calbindin, CALB2, CAB29</p> <p>Tissue Specificity: Brain.</p> <p>Background: ADP-ribosylation factor-like protein 13B (ARL13B), also known as ADP-ribosylation factor-like protein 2-like 1, is a protein that in humans is encoded by the ARL13B gene. This gene encodes a member of the ADP-ribosylation factor-like family. The encoded protein is a small GTPase that contains both N-terminal and C-terminal guanine nucleotide-binding motifs. This protein is localized in the cilia and plays a role in cilia formation and in maintenance of cilia. Mutations in this gene are the cause of Joubert syndrome 8. Alternate splicing results in multiple transcript variants.</p>
Molecular Weight:	55 kDa
Gene ID:	200894

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Cantagrel, V., Silhavy, J. L., Bielas, S. L., Swistun, D., Marsh, S. E., Bertrand, J. Y., Audollent, S., Attie-Bitach, T., Holden, K. R., Dobyns, W. B., Traver, D., Al-Gazali, L., and 14 others. Mutations in the cilia gene ARL13B lead to the classical form of Joubert syndrome. <i>Am. J. Hum. Genet.</i> 83: 170-179, 2008. 2. Caspary, T., Larkins, C. E., Anderson, K. V. The graded response to Sonic hedgehog depends on cilia architecture. <i>Dev. Cell</i> 12: 767-778, 2007. 3. Fan, Y., Esmail, M. A., Ansley, S. J., Blacque, O. E., Boroevich, K., Ross, A. J., Moore, S. J., Badano, J. L., May-Simera, H., Compton, D. S., Green, J. S., Lewis, R. A., van Haelst, M. M., Parfrey, P. S., Baillie, D. L., Beales, P. L., Katsanis, N., Davidson, W. S., Leroux, M. R. Mutations in a member of the Ras superfamily of small GTP-binding proteins causes Bardet-Biedl syndrome. <i>Nature Genet.</i> 36: 989-993, 2004.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.