

Datasheet for ABIN4886473
anti-ARF6 antibody (AA 2-175)



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1 Image

Overview

Quantity:	100 µg
Target:	ARF6
Binding Specificity:	AA 2-175
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARF6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ARF6 Antibody Picoband®
Immunogen:	E.coli-derived human ARF6 recombinant protein (Position: G2-S175). Human ARF6 shares 100% amino acid (aa) sequence identity with both mouse and rat ARF6.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ARF6 Antibody Picoband® (ABIN4886473). Tested in 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: ARF6

Alternative Name: ARF6 ([ARF6 Products](#))

Background: Synonyms: ADP-ribosylation factor 6, ARF6,
Tissue Specificity: Ubiquitous, with higher levels in heart, substantia nigra, and kidney. .
Background: ADP-ribosylation factor 6 (ARF6) is a member of the human ARF gene family, which is part of the RAS superfamily. The ARF genes encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. The product of this gene is localized to the plasma membrane, and regulates vesicular trafficking, remodelling of membrane lipids, and signaling pathways that lead to actin remodeling. A pseudogene of this gene is located on chromosome 7.

Molecular Weight: 20 kDa

Gene ID: 382

UniProt: [P62330](#)

Pathways: [Steroid Hormone Mediated Signaling Pathway](#), [Regulation of Actin Filament Polymerization](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat
Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Rat
Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
1. "Entrez Gene: ARF6 ADP-ribosylation factor 6". 2. Prigent M, Dubois T, Raposo G, Derrien V, Tenza D, Rossé C, Camonis J, Chavrier P (December 2003). "ARF6 controls post-endocytic recycling through its downstream exocyst complex effector". J. Cell Biol. 163(5): 1111-21. 3. Peru y Colón de Portugal RL, Acevedo SF, Rodan AR, Chang LY, Eaton BA, Rothenfluh A (December 2012). "Adult neuronal Arf6 controls ethanol-induced behavior with Arfap1n downstream of Rac1 and RhoGAP18B". J. Neurosci. 32 (49): 17706-13.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C, -20 °C
Storage Comment:	Store 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 freeze-thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of ARF6 expression in rat kidney extract (Lane 1), mouse kidney extract (Lane 2) and MCF-7 whole cell lysates (Lane 3). ARF6 at 20KD was detected using rabbit anti- ARF6 Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).