

ARL15 Antibody

Catalog # ASC10943

Product Information

Application	WB, E, IHC-P
Primary Accession	Q9NXU5
Other Accession	NP_061960 , 9506653
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	22876
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	ARL15 antibody can be used for detection of Arl15 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL.

Additional Information

Gene ID	54622
Other Names	ADP-ribosylation factor-like protein 15, ADP-ribosylation factor-related protein 2, ARF-related protein 2, ARL15, ARFRP2
Target/Specificity	ARL15;
Reconstitution & Storage	ARL15 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	ARL15 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ARL15
Synonyms	ARFRP2

Background

ARL15 Antibody: ADP-ribosylation factors (ARFs) are highly conserved guanine nucleotide binding proteins that enhance the ADP-ribosyltransferase activity of cholera toxin. ARFs are important in eukaryotic vesicular trafficking pathways and they play an essential role in the activation of phospholipase D (PC-PLD). ARL15

(ADP-ribosylation factor-like 15), is a member of the ARF family of the Ras superfamily of small GTPases that are known to be involved in multiple regulatory pathways altered in human carcinogenesis. Other members of this protein family include ARL11, thought to be a tumor suppressor and may play a role in the regulation of apoptosis, ARL2 which plays an important role in microtubule dynamics and cell cycle progression, and ARL4, which may play a role in neurogenesis during embryonic development. The gene encoding ARL15 maps to chromosome 5p15 in humans. At least three isoforms of ARL15 are known to exist.

References

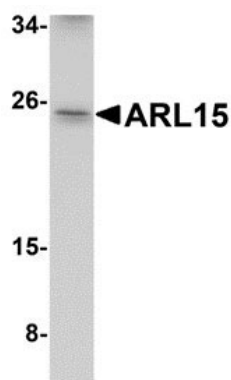
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Kahn RA, Volpicelli-Daley L, Bowzard B, et al. ARF family GTPases: roles in membrane traffic and microtubule dynamics. *Biochem. Soc. Trans.*2005; 33: 1269-72.

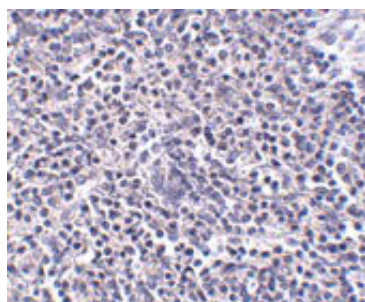
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Calin GA, Trapasso F, Shimizu M, et al. Familial cancer associated with a polymorphism in ARLTS1. *N. Engl. J. Med.*2005; 352:1667-76.

Images



Western blot analysis of ARL15 in K562 cell lysate with ARL15 antibody at 1 µg/mL.



Immunohistochemistry of ARL15 in human spleen tissue with ARL15 antibody at 5 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.