

ARL15 Antibody
Catalog # ASC10943**Specification**

ARL15 Antibody - Product Information

Application	WB, IHC
Primary Accession	Q9NXU5
Other Accession	NP_061960 , 9506653
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
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.

ARL15 Antibody - Additional Information

Gene ID	54622
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.

ARL15 Antibody - Protein Information

Name ARL15

Synonyms ARFRP2

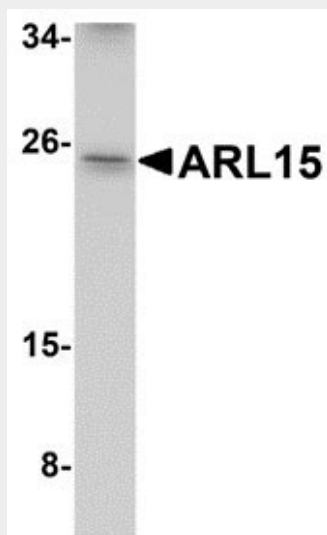
ARL15 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

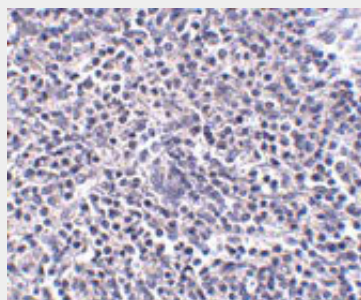
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ARL15 Antibody - 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.

ARL15 Antibody - 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.

ARL15 Antibody - References

Pasqualato S, Renault L, and Cherfils J. ARF, ARL, ARP and SAR proteins: a family of GTP-binding proteins with a structural device for 'front-back' communication. EMBO Rep.2002; 3: 1035-41.
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.

Kahn RA, Cherfils J, Elias M, et al. Nomenclature for the human Arf family of GTP binding proteins: ARF, ARL, and SAR proteins. J. Cell Biol.2006; 172: 645-50.

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