10320 Camino Santa Fe, Suite G
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ARL8A Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10162C

Specification

ARL8A Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q96BM9
Other Accession	Q5ZKQ8, NP_620150.1
Reactivity	**Human, Mouse**
Predicted	**Chicken**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**21416**
Antigen Region	**116-142**

ARL8A Antibody (Center) - Additional Information

Gene ID 127829

Other Names
ADP-ribosylation factor-like protein 8A, ADP-ribosylation factor-like protein 10B, Novel small G protein indispensable for equal chromosome segregation 2, ARL8A, ARL10B, GIE2

Target/Specificity
This ARL8A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 116-142 amino acids from the Central region of human ARL8A.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ARL8A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ARL8A Antibody (Center) - Protein Information

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Name ARL8A

Synonyms ARL10B, GIE2

Function Plays a role in lysosome motility (By similarity). In neurons, mediates the anterograde axonal long-range transport of presynaptic lysosome-related vesicles required for presynaptic biogenesis and synaptic function (By similarity). May play a role in chromosome segregation (By similarity).

Cellular Location
Late endosome membrane {ECO:0000250|UniProtKB:Q9NVJ2}. Lysosome membrane {ECO:0000250|UniProtKB:Q9CQW2}. Cytoplasm, cytoskeleton, spindle {ECO:0000250|UniProtKB:Q9NVJ2}. Cell projection, axon {ECO:0000250|UniProtKB:Q9CQW2}. Synapse {ECO:0000250|UniProtKB:Q9CQW2} Note=Localizes with microtubules at the spindle mid-zone during mitosis. {ECO:0000250|UniProtKB:Q9NVJ2}

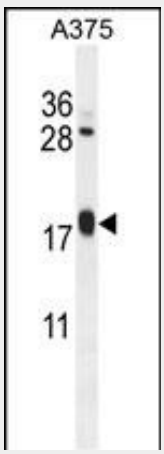
Tissue Location
Ubiquitously expressed.

ARL8A Antibody (Center) - Protocols

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

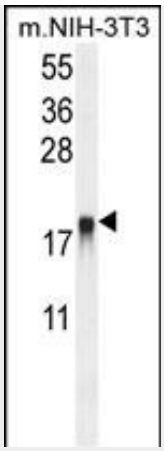
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ARL8A Antibody (Center) - Images

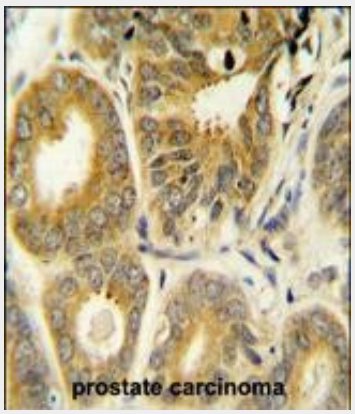


ARL8A Antibody (Center) (Cat. #AP10162c) western blot analysis in A375 cell line lysates (35ug/lane).This demonstrates the ARL8A antibody detected the ARL8A protein (arrow).

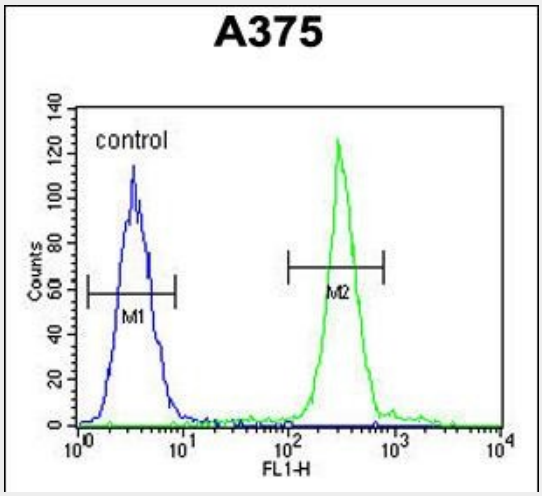
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ARL8A Antibody (Center) (Cat. #AP10162c) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the ARL8A antibody detected the ARL8A protein (arrow).



ARL8A Antibody (Center) (Cat. #AP10162c) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ARL8A Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



ARL8A Antibody (Center) (Cat. #AP10162c) flow cytometric analysis of A375 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ARL8A Antibody (Center) - References

Lamesch, P., et al. Genomics 89(3):307-315(2007)
Hofmann, I., et al. J. Cell. Sci. 119 (PT 8), 1494-1503 (2006) :
Okai, T., et al. J. Cell. Sci. 117 (PT 20), 4705-4715 (2004) :
Secombe, J., et al. J. Biol. Chem. 279(17):17126-17133(2004)