For Research Use Only

ARF6-Specific Polyclonal antibody

Catalog Number:20225-1-AP 13 Publications

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Basic Information

Catalog Number:
20225-1-AP

Size:
150ul , Concentration: 700 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001663

GeneID (NCBI):
382

Full Name:
ADP-ribosylation factor 6

Calculated MW:
20 kDa

Observed MW:
20 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000
IHC 1:50-1:500

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HepG2 cells, mouse liver tissue, A549 cells, human liver tissue, MCF-7 cells, HEK-293 cells, rat liver tissue

IHC : human liver cancer tissue, human colon tissue, human heart tissue, human kidney tissue

Background Information

ADP-ribosylation factors (ARFs) are members of the ARF family of GTP-binding proteins of the Ras superfamily, with 20 kDa protein size. ARFs bind and regulate GTP/GDP cycle by alternating between the active GTP-bound and inactive GDP-bound conformations. ARF family proteins are essential and ubiquitous in eukaryotes. Six highly conserved members of the family have been identified in mammalian cells. They function in vesicular traffic and actin remodelling and other bioprocesses in cells. The ARF6 is one of best identified ARFs It is present at the plasma membrane and to some extent on endosomal membranes where it regulates the flow of trafficking into and out of the cell and the actin cytoskeleton. The antibody is specific to ARF6.

Notable Publications

Author	Pubmed ID	Journal	Application
Huiling Guo	36224181	Nat Commun	WB
Ermes Candiello	29150658	Sci Rep	
James W Clancy	35235806	Cell Rep	WB,IF

Storage

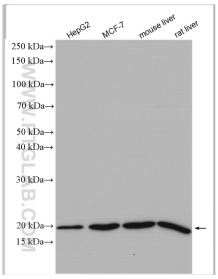
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

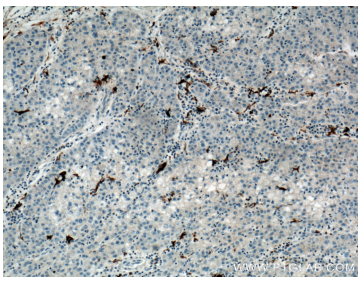
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

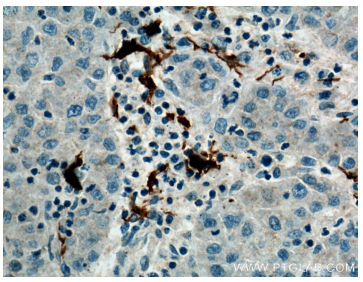
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20225-1-AP (ARF6-Specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20225-1-AP (ARF6-Specific Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20225-1-AP (ARF6-Specific Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).