

For Research Use Only

HRAS-Specific Polyclonal antibody, PBS Only



Catalog Number: 18295-1-PBS

Featured Product

Basic Information

Catalog Number:

18295-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC006499

GeneID (NCBI):

3265

UNIPROT ID:

P01112

Full Name:

v-Ha-ras Harvey rat sarcoma viral oncogene homolog

Calculated MW:

21 kDa

Observed MW:

21 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Species Specificity:

human, mouse, rat

Background Information

HRAS, also named as c-bas/has and RASH1, is v-Ha-ras Harvey rat sarcoma viral oncogene homolog from the mammalian ras gene family and it is a member of the small GTPase superfamily. RAS proteins are involved in signal transduction pathways, and bind GDP/GTP and possess intrinsic GTPase activity. Defects in HRAS are a cause of cancer. The antibody is specific to HRAS, can't recognize NRAS and KRAS.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

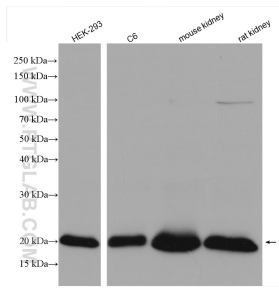
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

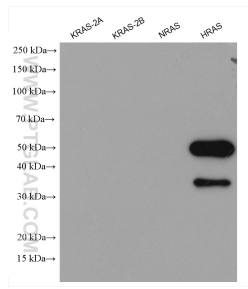
E: proteintech@ptglab.com
W: ptglab.com

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

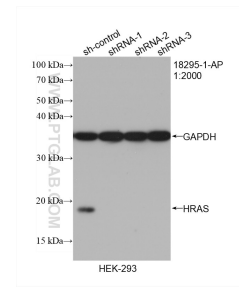
Selected Validation Data



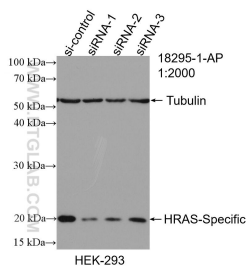
Various lysates were subjected to SDS PAGE followed by western blot with 18295-1-AP (HRAS-Specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18295-1-PBS in a different storage buffer formulation.



Recombinant proteins (ag27444 (6*His tag-KRAS-2A), ag21645(6*His tag-KRAS-2B), ag29746(6*His tag-NRAS), ag23265(GST-HRAS)) were subjected to SDS PAGE followed by western blot with 16155-1-AP (KRAS-2B-specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18295-1-PBS in a different storage buffer formulation.

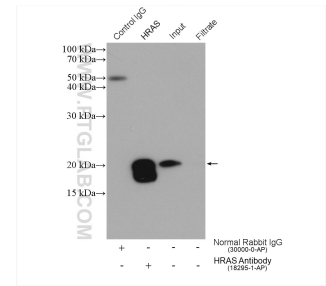


WB result of HRAS-Specific antibody (18295-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HRAS-Specific transfected HEK-293 cells. This data was developed using the same antibody clone with 18295-1-PBS in a different storage buffer formulation.

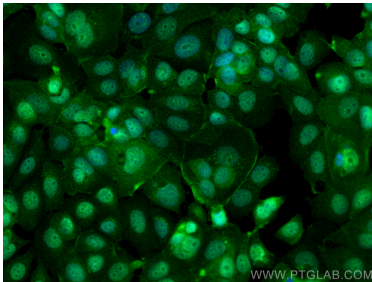


HEK-293 cells were subjected to SDS PAGE followed by western blot with 18295-1-AP (HRAS-Specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18295-1-PBS in a different storage buffer formulation.

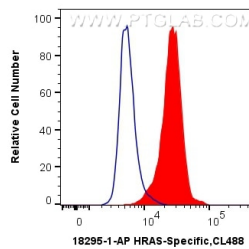
Immunohistochemical analysis of paraffin-embedded human kidney slide using 18295-1-AP (HRAS-Specific Antibody) at dilution of 1:50.



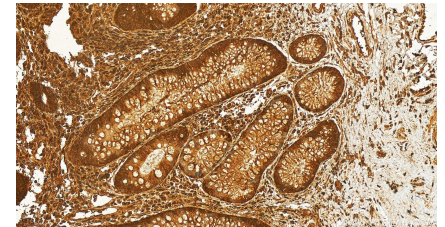
IP result of anti-HRAS-Specific (IP:18295-1-AP, 4ug; Detection:18295-1-AP 1:1000) with mouse brain tissue lysate 1840 ug. This data was developed using the same antibody clone with 18295-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using HRAS-Specific antibody (18295-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 18295-1-PBS in a different storage buffer formulation.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human HRAS-Specific (18295-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 18295-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 18295-1-AP (HRAS-Specific antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0). This data was developed using the same antibody clone with 18295-1-PBS in a different storage buffer formulation.