

For Research Use Only

KRAS-2A-specific Polyclonal antibody



Catalog Number: 16156-1-AP **2 Publications**

Basic Information

Catalog Number:

16156-1-AP

Size:

1400 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_033360

GeneID (NCBI):

3845

UNIPROT ID:

P01116

Full Name:

v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog

Calculated MW:

21 kDa

Observed MW:

21-24 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF 1:50-1:500

Applications

Tested Applications:

FC, IF/ICC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : NIH/3T3 cells,

IF : SH-SY5Y cells,

Background Information

RAS (derived from 'RAAt Sarcoma' virus) gene family includes KRAS, HRAS, and NRAS. These genes encode very similar 21 kDa proteins and are homologs of rodent sarcoma virus genes that have transforming abilities. KRAS has two isoforms, 2A and 2B. This antibody is specific for KRAS-2A, which also named as KRAS-4A .

Notable Publications

Author	Pubmed ID	Journal	Application
Andrew M Waters	28951536	Sci Signal	WB
Sascha Röth	32668202	Cell Chem Biol	WB

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

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

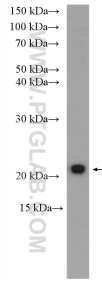
T: 4006900926

E: Proteintech-CN@ptglab.com

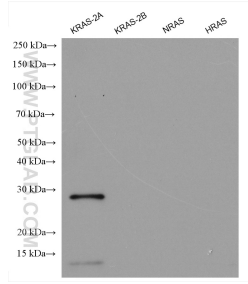
W: ptgcn.com

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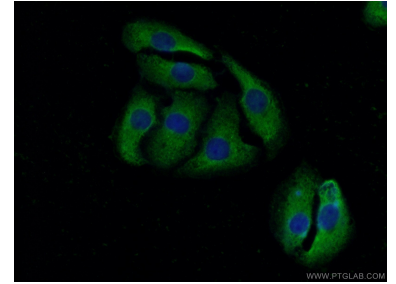
Selected Validation Data



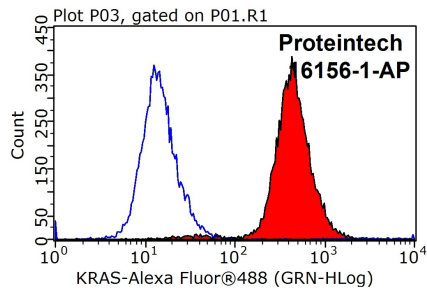
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 16156-1-AP (KRAS-2A-specific antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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.



Immunofluorescent analysis of (-20°C Acetone) fixed SH-SY5Y cells using 16156-1-AP (KRAS-2A-specific antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ HeLa cells were stained with 0.2ug KRAS-2A-specific antibody (16156-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.