

For Research Use Only

KRAS-2B-specific Polyclonal antibody



Catalog Number: 16155-1-AP

Featured Product

5 Publications

Basic Information

Catalog Number: 16155-1-AP	GenBank Accession Number: NM_004985	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 850 µg/ml by Nanodrop and 593 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3845	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	
Isotype: IgG	Calculated MW: 21 kDa	
	Observed MW: 21 kDa	

Applications

Tested Applications:
IF, IHC, WB, ELISA

Cited Applications:
FC, WB

Species Specificity:
human, mouse

Cited Species:
human

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: HeLa cells, Recombinant protein, HEK-293 cells, MCF-7 cells, mouse brain tissue, mouse kidney tissue

IHC: human colon cancer tissue,

IF: HeLa cells,

Background Information

RAS gene family encodes very similar 21KD 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-2B.

Notable Publications

Author	Pubmed ID	Journal	Application
Andrew M Waters	28951536	Sci Signal	WB
Mahmoud Labib	32719513	Nat Biomed Eng	FC
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

*** 20ul sizes contain 0.1% BSA

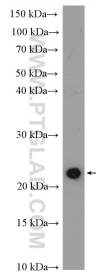
For technical support and original validation data for this product please contact:

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

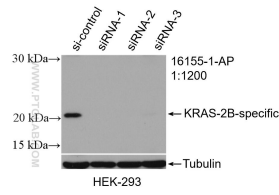
E: proteintech@ptglab.com
W: ptglab.com

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

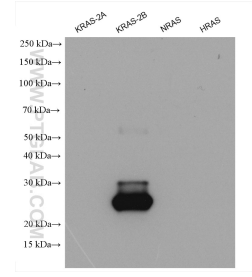
Selected Validation Data



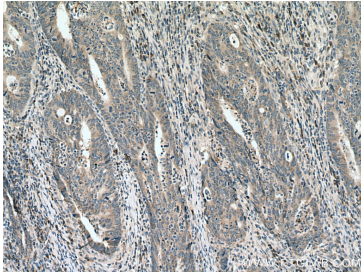
HeLa cells were subjected to SDS PAGE followed by western blot with 16155-1-AP (KRAS-2B-specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



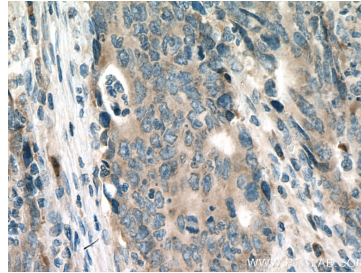
HEK-293 cells were subjected to SDS PAGE followed by western blot with 16155-1-AP (KRAS-2B-specific antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



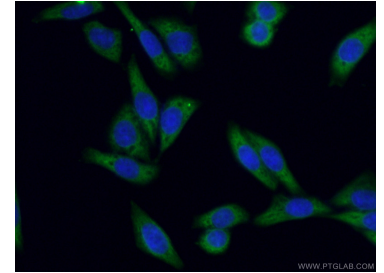
Recombinant proteins (ag27444 (6³⁵His tag-KRAS-2A), ag21645(6³⁵His tag-KRAS-2B), ag29746(6³⁵His tag-NRAS), ag23265(GST-HRAS)) were subjected to SDS PAGE followed by western blot with 16155-1-AP (KRAS-2B-specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 16155-1-AP (KRAS-2B-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 colon cancer tissue slide using 16155-1-AP (KRAS-2B-specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 16155-1-AP (KRAS-2B-specific antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).