

For Research Use Only

NRAS-Specific Polyclonal antibody

Catalog Number: 18296-1-AP



Basic Information

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|---|---|--|
| Catalog Number: 18296-1-AP | GenBank Accession Number: BC005219 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 350 µg/ml by Nanodrop; | GeneID (NCBI): 4893 | Recommended Dilutions: WB 1:500-1:1000 IHC 1:250-1:1000 |
| Source: Rabbit | Full Name: neuroblastoma RAS viral (v-ras) oncogene homolog | |
| Isotype: IgG | Calculated MW: 21 kDa | |
| | Observed MW: 21 kDa | |

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, rat, 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 : A431 cells, MCF-7 cells

IHC : human colon tissue, human kidney tissue, human colon cancer tissue, rat colon tissue, mouse colon tissue, human malignant melanoma tissue

Background Information

NRAS, also named as N-ras and NRAS1, is neuroblastoma RAS viral (v-ras) 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. It is mapped on chromosome 1, and it is activated in HL60, a promyelocytic leukemia line. Defects in NRAS are a cause of juvenile myelomonocytic leukemia (JMML). The antibody is specific to NRAS, can't recognize HRAS and KRAS.

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

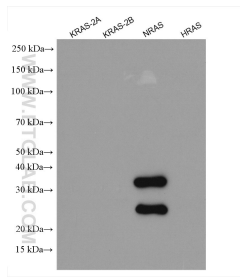
For technical support and original validation data for this product please contact:

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

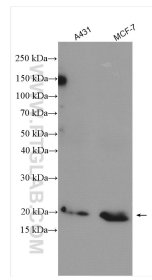
E: proteintech@ptglab.com
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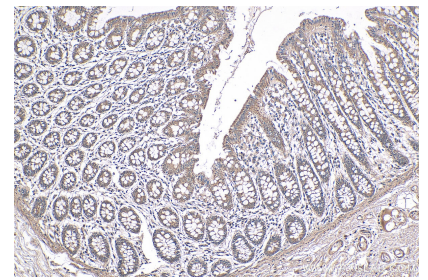
Selected Validation Data



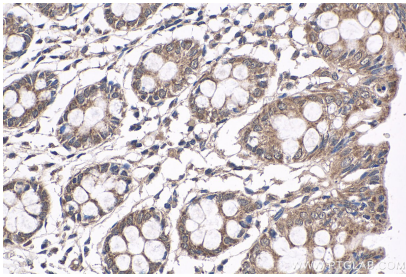
Recombinant fusion protein Ag27444 (KRAS-2A), Ag21645 (KRAS-2B), Ag29746 (NRAS), and Ag23265 (HRAS) were subjected to SDS PAGE followed by western blot with 18296-1-AP (NRAS-Specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 18296-1-AP (NRAS-Specific antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 18296-1-AP (NRAS-Specific antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 18296-1-AP (NRAS-Specific antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).