HRAS-Specific Polyclonal ANTIBODY
Catalog Number: 18295-1-AP

Basic Information
- **Catalog Number:** 18295-1-AP
- **Size:** 46 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Antigen of affinity purification:** v-Ha-ras Harvey rat sarcoma viral oncogene homolog
- **Immunogen Catalog Number:**
- **GenBank Accession Number:** BC006499
- **GeneID (NCBI):** 3265
- **Full Name:** v-Ha-ras Harvey rat sarcoma viral oncogene homolog
- **Calculated MW:** 21 kDa
- **Observed MW:** 21 kDa

Recommended Dilutions:
- **WB:** 1:500-1:2000
- **IP:** 0.5-4.0 μg for IP and 1:1000-1:6000 for WB
- **IHC:** 1:20-1:200
- **IF:** 1:10-1:100

Applications
- **Tested Applications:** FC, IF, IHC, IP, WB, ELISA
- **Cited Applications:** IF, WB
- **Species Specificity:** human, mouse, rat
- **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:** C6 cells; HEK-293 cells; NIH/3T3 cells; PC-3 cells; SH-SYSY cells
- **IP:** HEK-293 cells
- **IHC:** human kidney tissue; human prostate hyperplasia tissue
- **IF:** HepG2 cells

Background Information
HRAS, also named as c-basch 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.

Notable Publications

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<tr>
<th>Author</th>
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<th>Journal</th>
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<tbody>
<tr>
<td>Elina Siljamaki</td>
<td>31655292</td>
<td>Matrix Biol</td>
<td>WB</td>
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<tr>
<td>Chaochen Luo</td>
<td>30499671</td>
<td>J Agric Food Chem</td>
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<tr>
<td>Yonglu Che</td>
<td>31712554</td>
<td>Nat Commun</td>
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Storage
- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.05% 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:
- Tel: (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or (1-312) 405-8498 (outside USA)

This product is exclusively available under Protitech Group brand and is not available to purchase from any other manufacturer.
C6 cells 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.

IP result of anti-HRAS-Specific(IP:18295-1-AP, 4ug; Detection:18295-1-AP 1:3000) with HEK-293 cells lysate. 3040 ug

Immunofluorescent analysis of HepG2 cells using 18295-1-AP (HRAS-Specific antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.

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

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

1x10^6 HeLa cells were stained with 1ug HRAS-Specific antibody (18295-1-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.