

# RAS (G12V Mutant) antibody [HL169]

**Cat. No. GTX635623**

|                     |            |
|---------------------|------------|
| <b>Host</b>         | Rabbit     |
| <b>Clonality</b>    | Monoclonal |
| <b>Isotype</b>      | IgG        |
| <b>Applications</b> | WB, IHC-P  |
| <b>Reactivity</b>   | Human      |

References ( 1 )

Package

100 µl, 25 µl

## Applications

### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| WB                 | 1:500-1:3000         |
| IHC-P              | 1:50-1:1000          |

Not tested in other applications.

**Observed MW (kDa)** 22 kDa.

### Product Note

Based on internal testing, this antibody specifically recognizes RAS G12V mutant and does not cross-react with wild-type RAS or the G12D, G12R, G12C, G12A, or G12S mutants.

## Properties

|                      |  |
|----------------------|--|
| <b>Form</b>          | Liquid   |
| <b>Buffer</b>        | PBS  |
| <b>Preservative</b>  | No preservatives   |
| <b>Storage</b>       | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| <b>Concentration</b> | 1 mg/ml (Please refer to the vial label for the specific concentration.)   |
| <b>Immunogen</b>     | Carrier-protein conjugated synthetic peptide surrounding mutant G12V of human K-Ras. The exact sequence is proprietary.  |
| <b>Purification</b>  | Affinity purified by Protein A.  |
| <b>Conjugation</b>   | Unconjugated   |

### Note

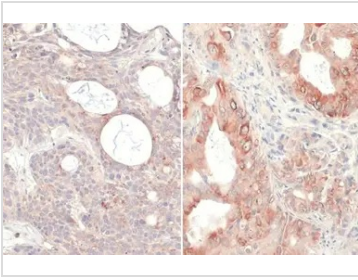
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## DATA IMAGES



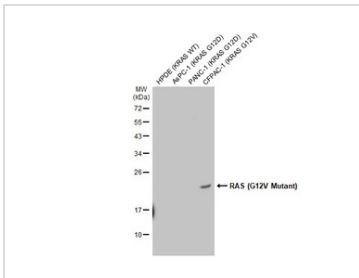
**GTX635623 IHC-P Image**

RAS (G12V Mutant) antibody [HL169] detects RAS (G12V Mutant) protein at cell membrane and cytoplasm by immunohistochemical analysis.

Sample: Paraffin-embedded BxPC-3 xenograft (left) and CFPAC-1 xenograft (right).

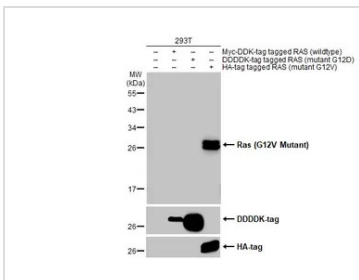
RAS (G12V Mutant) stained by RAS (G12V Mutant) antibody [HL169] (GTX635623) diluted at 1:50.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



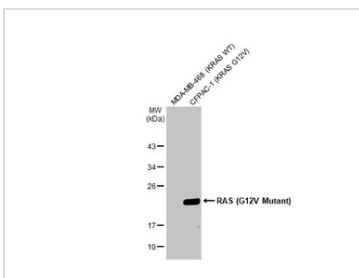
**GTX635623 WB Image**

Various whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Ras (G12V Mutant) antibody [HL1] (GTX635623) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



**GTX635623 WB Image**

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Ras (G12V Mutant) antibody [HL1] (GTX635623) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



**GTX635623 WB Image**

Various whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with RAS (G12V Mutant) antibody [HL169] (GTX635623) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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