RAS (G12V Mutant) antibody [HL169]

Cat. No. GTX635623

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB, IHC-P
Reactivity	Human

References (3)
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

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide surrounding mutant G12V of human K-Ras. The exact sequence is proprietary.
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

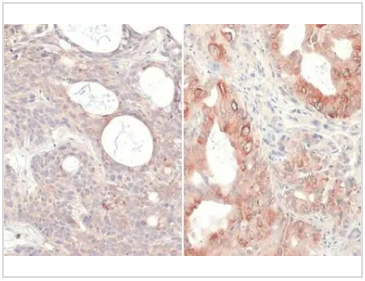
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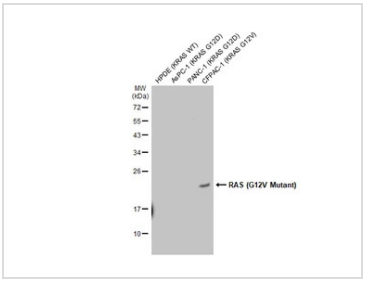
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DATA IMAGES



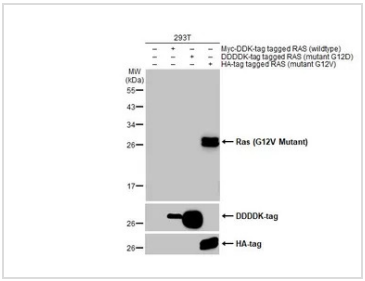
GTX635623 IHC-P Image

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



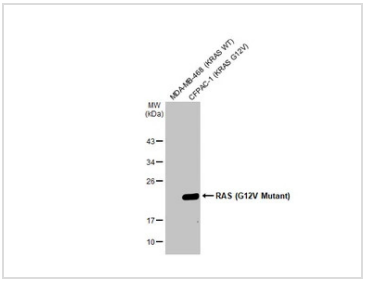
GTX635623 WB Image

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.



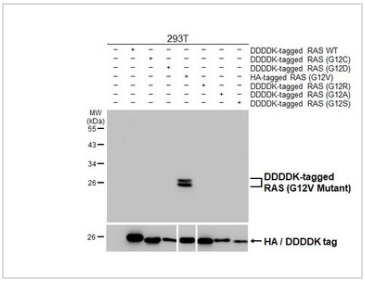
GTX635623 WB Image

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.



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 [HL169] (GTX635623) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

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