KRAS+HRAS+NRAS Rabbit mAb

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Catalog No.: A22438 Recombinant 1 Publications

Basic Information

Observed MW

21kDa

Calculated MW

21kDa

Category

Primary antibody

Applications

WB,IF/ICC,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC2656

Background

This gene, a Kirsten ras oncogene homolog from the mammalian ras gene family, encodes a protein that is a member of the small GTPase superfamily. A single amino acid substitution is responsible for an activating mutation. The transforming protein that results is implicated in various malignancies, including lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma. Alternative splicing leads to variants encoding two isoforms that differ in the C-terminal region. [provided by RefSeq, Jul 2008]

Recommended Dilutions

1:500 - 1:1000 **WB**

1:50 - 1:200 IF/ICC

0.5μg-4μg antibody for ΙP 400μg-600μg extracts of

whole cells

Recommended starting **ELISA**

concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID Swiss Prot

4893/3265/3845 P01111/P01112/P01116

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

C-K-RAS; CFC2; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B; KI-RAS; KRAS1; KRAS2; NS; NS3; RALD; RASK2; c-Ki-ras2; KRAS+HRAS+NRAS

Contact

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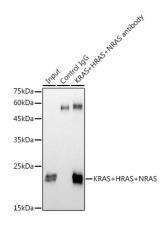
Product Information

Purification Source Isotype Rabbit IgG Affinity purification

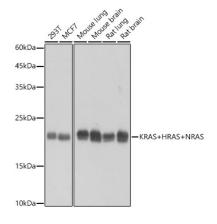
Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Immunoprecipitation analysis of 600 µg extracts of Mouse brain using 3 µg KRAS+HRAS+NRAS antibody (A22438). Western blot was performed from the immunoprecipitate using KRAS+HRAS+NRAS antibody (A22438) at a dilution of 1:1000.



Western blot analysis of various lysates, using KRAS+HRAS+NRAS Rabbit mAb (A22438) at 1:1000

dilution.

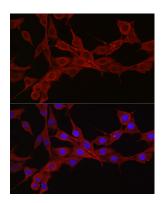
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

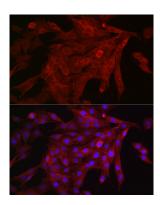
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

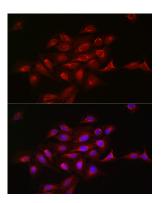
Exposure time: 10s.



Immunofluorescence analysis of NIH/3T3 cells using KRAS+HRAS+NRAS Rabbit mAb (A22438) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using KRAS+HRAS+NRAS Rabbit mAb (A22438) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using KRAS+HRAS+NRAS Rabbit mAb (A22438) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.