KRAS+HRAS+NRAS Rabbit mAb

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Catalog No.: A4735 Recombinant 2 Publications

Basic Information

Observed MW

21kDa

Calculated MW

18kDa

Category

Primary antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC1112

Background

This is an N-ras oncogene encoding a membrane protein that shuttles between the Golgi apparatus and the plasma membrane. This shuttling is regulated through palmitoylation and depalmitoylation by the ZDHHC9-GOLGA7 complex. The encoded protein, which has intrinsic GTPase activity, is activated by a guanine nucleotide-exchange factor and inactivated by a GTPase activating protein. Mutations in this gene have been associated with somatic rectal cancer, follicular thyroid cancer, autoimmune lymphoproliferative syndrome, Noonan syndrome, and juvenile myelomonocytic leukemia.

Recommended Dilutions

1:1000 - 1:10000 **WB**

1:50 - 1:200 IF/ICC

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

NS6; CMNS; KRAS; NCMS; ALPS4; N-ras; NRAS1; KRAS+HRAS+NRAS

Contact

<u>a</u>	400-999-6126
\bowtie	cn.market@abclonal.com.cn
\odot	www.abclonal.com.cn

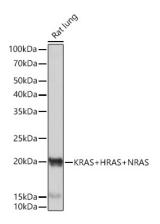
Product Information

Source Isotype **Purification** 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.



Western blot analysis of lysates from Rat lung, using KRAS+HRAS+NRAS Rabbit mAb (A4735) at 1:1000 dilution

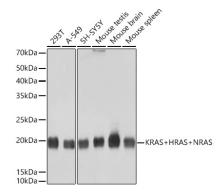
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



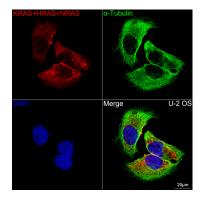
Western blot analysis of various lysates using KRAS+HRAS+NRAS Rabbit mAb (A4735) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Confocal imaging of U-2 OS cells using KRAS+HRAS+NRAS Rabbit mAb (A4735,dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green).DAPI was used for nuclear staining (Blue). Objective: 100x.