

RAB5A Rabbit mAb

Catalog No.: A29555 **Recombinant**

Basic Information

Observed MW

25 kDa

Calculated MW

22 kDa/24 kDa

Category

Primary antibody

Applications

WB, IP, IF/ICC, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC4027

Background

Enables G protein activity; GDP binding activity; and GTP binding activity. Involved in several processes, including amyloid-beta clearance by transcytosis; early endosome to late endosome transport; and regulation of exocytosis. Located in several cellular components, including cytoplasmic side of early endosome membrane; somatodendritic compartment; and terminal bouton. Is active in early endosome membrane.

Recommended Dilutions

WB 1:5000 - 1:20000

IP 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts of
whole cells

IF/ICC 1:200 - 1:1800

IHC-P 1:2000 - 1:7000

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.
For high-ratio antibody
dilutions (≥1:10)

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

Immunogen Information

Gene ID

5868

Swiss Prot

P20339

Immunogen

This information is considered to be commercially sensitive.

Synonyms

RAB5

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

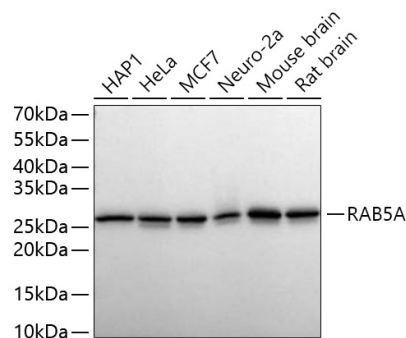
Storage

Store at -20°C

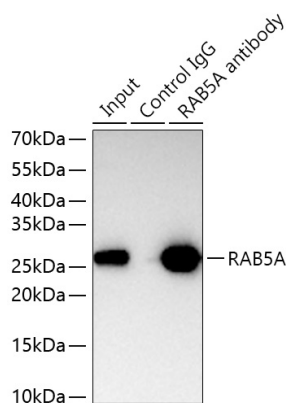


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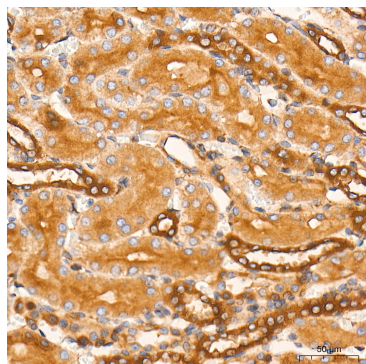
Validation Data



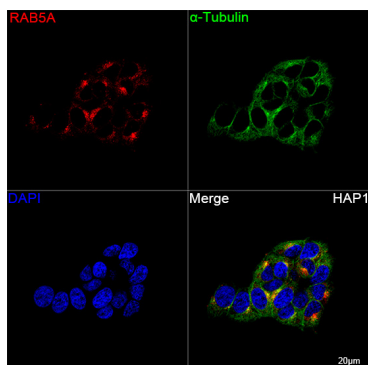
Western blot analysis of various lysates using RAB5A Rabbit mAb (A29555) at 1:10000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10 s.



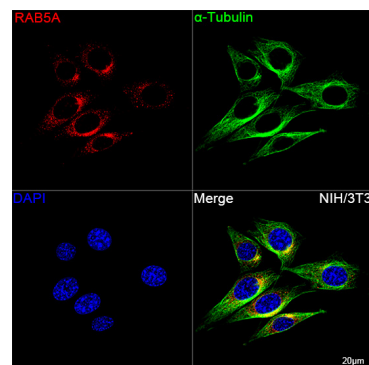
Immunoprecipitation of RAB5A from 300 µg extracts of MCF7 cells was performed using 2 µg of RAB5A Rabbit mAb (A29555). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using RAB5A Rabbit mAb (A29555) at a dilution of 1:20000.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using RAB5A Rabbit mAb (A29555) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

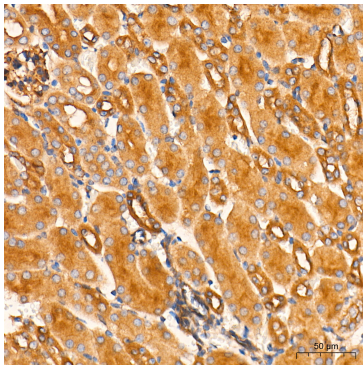


Confocal imaging of HAP1 cells using RAB5A Rabbit mAb (A29555, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

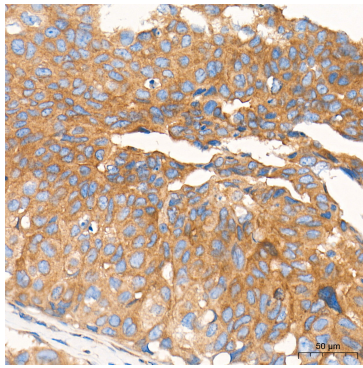


Confocal imaging of NIH/3T3 cells using RAB5A Rabbit mAb (A29555, dilution 1:900) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

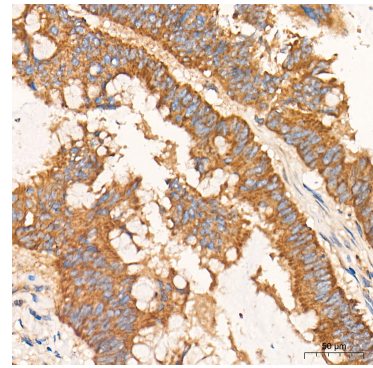
Validation Data



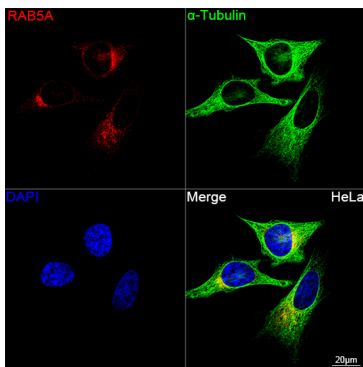
Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using RAB5A Rabbit mAb (A29555) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using RAB5A Rabbit mAb (A29555) at a dilution of 1:7000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using RAB5A Rabbit mAb (A29555) at a dilution of 1:7000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of HeLa cells using RAB5A Rabbit mAb (A29555, dilution 1:900) followed by a further incubation with Cy3-conjugated 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) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.