SLC34A2 Rabbit pAb

Catalog NO.: A9460 **7 Publications**

Basic Information

Observed MW
76 kDa

Calculated MW
76 kDa

Category
Polyclonal Antibodies

Applications
WB, IF-F, IHC-P, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

Background

The protein encoded by this gene is a pH-sensitive sodium-dependent phosphate transporter. Phosphate uptake is increased at lower pH. Defects in this gene are a cause of pulmonary alveolar microlithiasis. Three transcript variants encoding two different isoforms have been found for this gene.

Recommended Dilutions

WB	1:500 - 1:3000
IF-F	1:100 - 1:600
IHC-P	1:500 - 1:2000

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

Immunogen Information

Gene ID
10568

Swiss Prot
O95436

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
PULAM; NPTIIb; NaPi2b; NAPI-3B; NAPI-IIb; SLC34A2

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

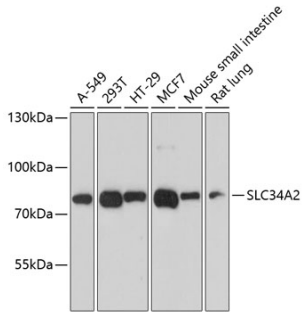
Source
Rabbit

Isotype
IgG

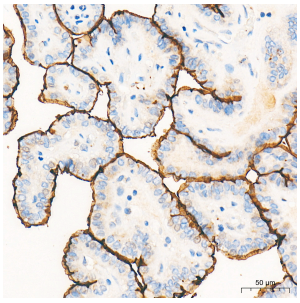
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

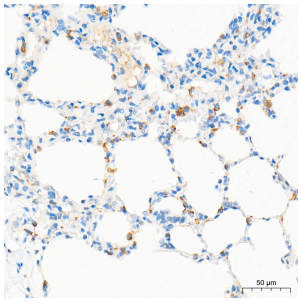
Validation Data



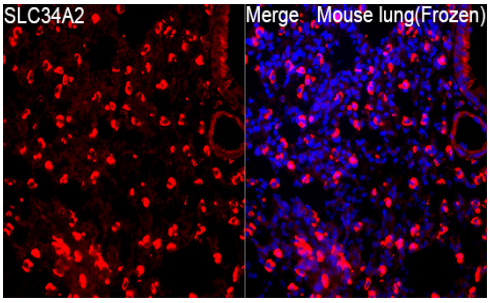
Western blot analysis of various lysates using SLC34A2 Rabbit pAb (A9460) at 1:3000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



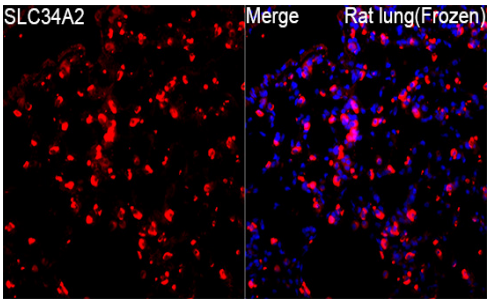
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using SLC34A2 Rabbit pAb (A9460) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using SLC34A2 Rabbit pAb (A9460) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of frozen sections of Mouse lung tissue using SLC34A2 Rabbit pAb (A9460) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



Immunofluorescence analysis of frozen sections of Rat lung tissue using SLC34A2 Rabbit pAb (A9460) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.

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