A9460SP

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SLC34A2 Rabbit pAb

Catalog No.: A9460SP 6 Publications

Basic Information

Observed MW
90-130 kDa

Calculated MW
76 kDa

Category
Polyclonal Antibody

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

Cross-Reactivity
Mouse,Rat

Background

Enables sodium:phosphate symporter activity. Acts upstream of or within in utero embryonic development and phosphate ion transport. Located in apical plasma membrane and brush border. Is expressed in several structures, including egg cylinder; genitourinary system; small intestine; and tooth. Human ortholog(s) of this gene implicated in pulmonary alveolar microlithiasis. Orthologous to human SLC34A2 (solute carrier family 34 member 2).

Recommended Dilutions

WB	1:1000 - 1:4000
IF-F	1:100 - 1:400
IHC-P	1:500 - 1:2000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)

Contact

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Immunogen Information

Gene ID
20531

Swiss Prot
Q9DBP0

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

Synonyms
D5Ertd227e; NaPi-2b; Npt2b

Product Information

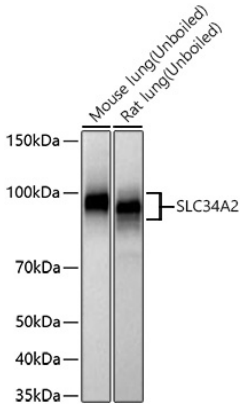
Source
Rabbit

Isotype
IgG

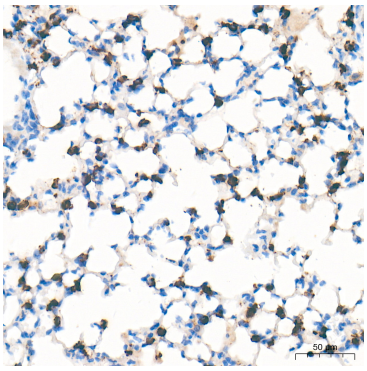
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

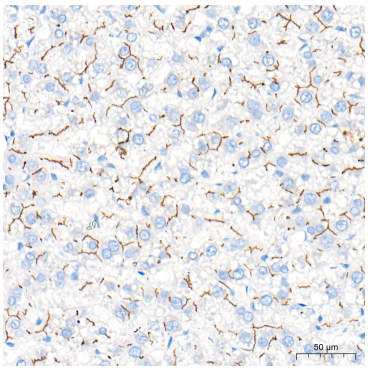
Validation Data



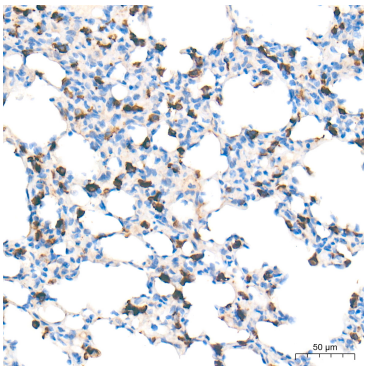
Western blot analysis of various lysates using SLC34A2 Rabbit pAb (A9460SP) at 1:2000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.



Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using SLC34A2 Rabbit pAb (A9460SP) 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 liver tissue using SLC34A2 Rabbit pAb (A9460SP) 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.



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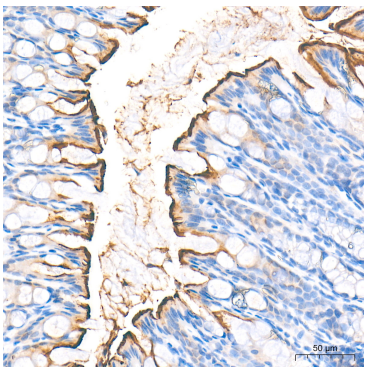
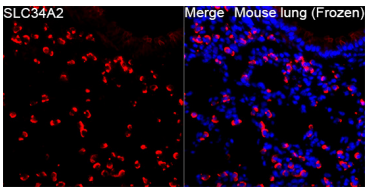
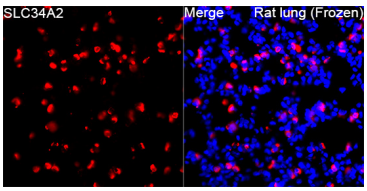


Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using SLC34A2 Rabbit pAb (A9460SP) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of frozen sections of Mouse lung tissue using SLC34A2 Rabbit pAb (A9460SP) at a 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. Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



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