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SLC34A2 Rabbit mAb

Catalog No.: A29140 Recombinant

Basic Information

Observed MW
70-100 kDa

Calculated MW
76 kDa

Category
Primary antibody

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

Cross-Reactivity
Mouse, Rat

CloneNo number
ARC81962

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	1:2000 - 1:5000
IF-F	1:200 - 1:800
IHC-P	1:200 - 1:800
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)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

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

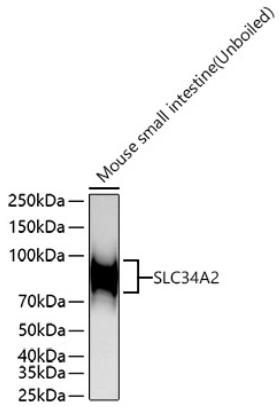
Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

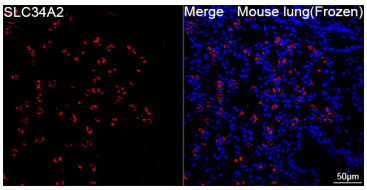
400-999-6126

cn.market@abclonal.com.cn

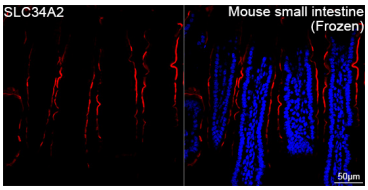
Validation Data



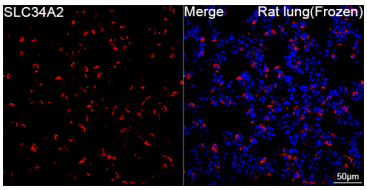
Western blot analysis of lysates from Mouse small intestine using SLC34A2 Rabbit mAb (A29140) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60 s.



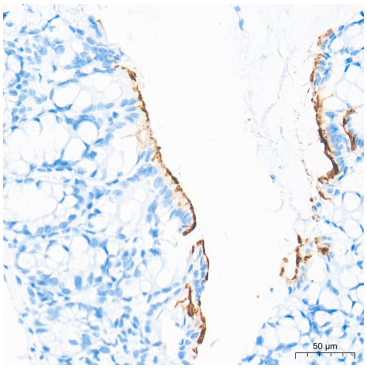
Confocal imaging of frozen sections of Mouse lung tissue using SLC34A2 Rabbit mAb (A29140, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



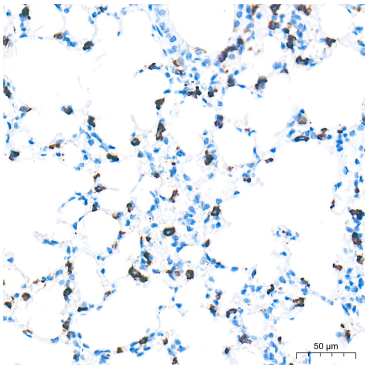
Confocal imaging of frozen sections of Mouse small intestine tissue using SLC34A2 Rabbit mAb (A29140, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



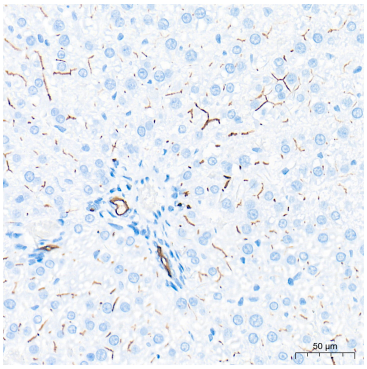
Confocal imaging of frozen sections of Rat lung tissue using SLC34A2 Rabbit mAb (A29140, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using SLC34A2 Rabbit mAb (A29140) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

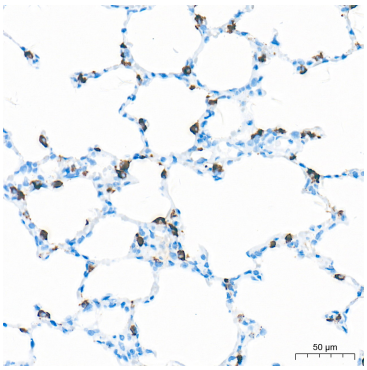


Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using SLC34A2 Rabbit mAb (A29140) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using SLC34A2 Rabbit mAb (A29140) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using SLC34A2 Rabbit mAb (A29140) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.