Datasheet for ABIN6719419

anti-SLC34A2 antibody

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Overview

Quantity:	100 µg
Target:	SLC34A2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for SLC34A2 detection. Tested with WB, IHC-P, IHC-F, ICC, FCM in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence of human SLC34A2 (QNWTMKNVTYKENIAKCQHIFVNFHLPDLA).
Sequence:	QNWTMKNVTY KENIAKCQHI FVNFHLPDLA
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for SLC34A2 detection. Tested with WB, IHC-P, IHC-F, ICC, FCM in Human,Mouse,Rat.
Purification:	Immunogen affinity purified.

Target Details

Target:	SLC34A2
Alternative Name:	SLC34A2 (SLC34A2 Products)
Background:	Synonyms: Sodium-dependent phosphate transport protein 2B, Sodium-phosphate transport protein 2B, Na(+)-dependent phosphate cotransporter 2B, NaPi3b, Sodium/phosphate cotransporter 2B, Na(+)/Pi cotransporter 2B, NaPi-2b, Solute carrier family 34 member 2, SLC34A2 Background: Sodium-dependent phosphate transport protein 2B (NaPi2b) is a protein that in humans is encoded by the SLC34A2 gene. 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.
Gene ID:	10568
UniProt:	O95436

Application Details

Application Notes:	Application details: Western blot|0.1-0.5 µg/mL Immunohistochemistry(Paraffin-embedded Section)|0.5-1 µg/mL Immunohistochemistry(Frozen Section)|0.5-1 µg/mL Immunocytochemistry|0.5-1 µg/mL Flow Cytometry|1-3 µg/1x106 cells
Comment:	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.