

CLCA2 Rabbit pAb

CatalogNo: YN6660

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 104kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human CLCA2

Specificity This antibody detects endogenous levels of CLCA2 at Human, Mouse

Target Information

Gene name CLCA2 CACC3

Protein Name	Calcium-activated chloride channel regulator 2 (Calcium-activated chloride channel family member 2) (hCLCA2) (Calcium-activated chloride channel protein 3) (CaCC-3) (hCaCC-3) [Cleaved into: Calcium-activated chloride channel regulator 2, 109 kDa form; Calcium-activated chloride channel regulator 2, 35 kDa form]		
	Organism	Gene ID	UniProt ID
	Human	9635;	Q9UQC9;
	Mouse	229933;	Q8BG22;
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Basal cell membrane; Single-pass type I membrane protein. Cell junction.; [Calcium-activated chloride channel regulator 2, 109 kDa form]: Secreted. Remains associated to the 35 kDa form until an unidentified event triggers the release.		
Tissue specificity	Expressed in cornea, skin, vagina, esophagus, and larynx (at protein level). Expressed in trachea and mammary gland. Weakly expressed in testis and kidney. Highly expressed in corneal epithelium, colon and trachea. Moderately expressed in brain, urogenital organs, bladder, uterus and prostate. Highly expressed in tissues containing stratified epithelium including cornea, esophagus, larynx, skin and vagina than those tissues which contain only epithelial monolayers. Expressed in normal breast epithelium but not in breast cancer. Highly expressed during epithelial stratification. Expressed in endothelial cells of lung. Expressed selectively in endothelia of small pulmonary arteries, arterioles, and subpleural and interlobular venules.		
Function	Plays a role in modulating chloride current across the plasma membrane in a calcium-dependent manner, and cell adhesion. Involved in basal cell adhesion and/or stratification of squamous epithelia. May act as a tumor suppressor in breast and colorectal cancer. Plays a key role for cell adhesion in the beginning stages of lung metastasis via the binding to ITGB4.		

Validation Data

Contact information

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