

Datasheet for ABIN1712645 **anti-Clca3 antibody (HRP)**



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Overview

Quantity:	100 µL
Target:	Clca3 (CLCA3)
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Clca3 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse CLCA3
Isotype:	IgG
Predicted Reactivity:	Mouse,Rat,Dog
Purification:	Purified by Protein A.

Target Details

Target:	Clca3 (CLCA3)
Alternative Name:	Clca3 (CLCA3 Products)
Background:	Synonyms: Calcium activated chloride channel 3, Calcium-activated chloride channel regulator family member 3, Chloride channel accessory 3 pseudogene, chloride channel calcium activated 3, Chloride channel calcium activated family member 3, Clca1, Clca2, CLCA3P, Gob 5,

Target Details

Gob-5, Gob5, hCLCA3, mCLCA3, MGC143984, MGC143985.

Background: The calcium-activated chloride channel (CLCA) protein family, which includes the human homologs CLCA1 and CLCA2, display distinct tissue distribution patterns. CLCA1 is expressed as a precursor protein that is processed into two cell surface associated subunits and a group of proteins. CLCA1 is upregulated by interleukin-9 and regulates the expression of mucins. CLCA1 may provide a therapeutic target to control mucus overproduction in airway disease patients with cystic fibrosis. CLCA2 expression is downregulated in breast cancer, therefore CLCA2 is thought to act as a tumor suppressor in normal cells. CLCA3 (known as Clca3 in mouse) is a structurally divergent member of the CLCA family that does not function as a channel protein. CLCA4 is a CLCA member that is expressed in human rectal mucosa, CLCA5 shows strong expression in eye and spleen, and CLCA6 is primarily expressed in intestine and stomach.

Application Details

Application Notes:	WB 1:100-1000 IHC-P 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months