SunLong Biotech Co.,LTD
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**[ Primary Antibody ]**

# Rabbit Anti-CLCA4 antibody

**Catalog Number: SL15511R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

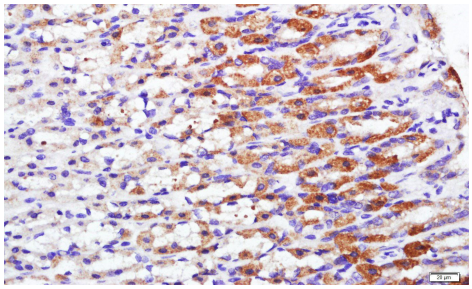
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|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | CLCA4 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human CLCA4: 221-320/919 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | IHC-P=1:100-500<br>IHC-F=1:100-500<br>IF=1:100-500 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Rat(predicted:Human,Mouse,Dog,Pig,Cow,Horse,Sheep) |
| **Predicted MW.:** | 99、101kDa |
| **Subcellular Location:** | The cell membrane Secretory protein |
| **Background:** | The protein encoded by this gene belongs to the calcium sensitive chloride conductance protein family. To date, all members of this gene family map to the same site on chromosome 1p31-p22 and share high degrees of homology in size, sequence and predicted structure, but differ significantly in their tissue distributions. Alternative splicing results in multiple transcript variants, only one of which is thought to be protein coding. [provided by RefSeq, Dec 2008].<br>**Function:** May be involved in mediating calcium-activated chloride conductance.<br>**Subcellular Location:** Cell membrane; Single-pass membrane protein. Apical cell membrane. Secreted. Note=The C-terminus 30 kDa form is anchored to the membrane. The N-terminus 110 kDa form is released from the membrane triggered by an unknown stimulus. Associated with the microvilli of non-goblet cell enterocytes in the small and large intestine. Co-localizes with |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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| | CFTR.<br>**Tissue Specificity:** Expressed in the non-goblet intestinal cells. High levels in intestine and stomach, and lower levels in eye, liver and spleen. Increasing expression from the duodenum to the ilium, and decreasing expression to the colon. Isoform 2 is expressed in intestine and stomach but at lower levels than isoform 1.<br>**Post-translational modifications:** N-Glycosylated.<br>Processed at a monobasic residue to yield a larger N-terminal and a smaller C-terminal cleavage products of 90 to 110 and 30 to 35 kDa, respectively.<br>**Similarity:** Belongs to the CLCR family.<br>Contains 1 VWFA domain.<br>**Database links:**<br>**Entrez Gene:** 22802 Human<br>**SwissProt:** Q14CN2 Human<br>**Unigene:** 567422 Human |

## [ VALIDATION IMAGES ]



Tissue/cell: Rat stomach tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer ( 1M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-CLCA4 Polyclonal Antibody, Unconjugated(SL15511R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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