

SLC4A2 / AE2 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS11083**Specification**

SLC4A2 / AE2 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	P04920
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	137kDa KDa

SLC4A2 / AE2 Antibody (Internal) - Additional Information**Gene ID** 6522**Other Names**

Anion exchange protein 2, AE 2, Anion exchanger 2, Non-erythroid band 3-like protein, BND3L, Solute carrier family 4 member 2, SLC4A2, AE2, EPB3L1, HKB3, MPB3L

Target/Specificity

Human SLC4A2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

SLC4A2 / AE2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC4A2 / AE2 Antibody (Internal) - Protein Information**Name** SLC4A2**Synonyms** AE2, EPB3L1, HKB3, MPB3L**Function**

Sodium-independent anion exchanger which mediates the electroneutral exchange of chloride for bicarbonate ions across the cell membrane (PubMed:[15184086](http://www.uniprot.org/citations/15184086), PubMed:[34668226](http://www.uniprot.org/citations/34668226)). Plays an important role in osteoclast differentiation and function (PubMed:[34668226](http://www.uniprot.org/citations/34668226)). Regulates bone resorption and calpain-dependent actin cytoskeleton organization in osteoclasts via anion exchange-dependent control of pH (By similarity). Essential for intracellular pH regulation in CD8(+) T- cells upon CD3 stimulation, modulating CD8(+) T-cell responses (By similarity).

Cellular Location

[Isoform A]: Apical cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein [Isoform B2]: Apical cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein

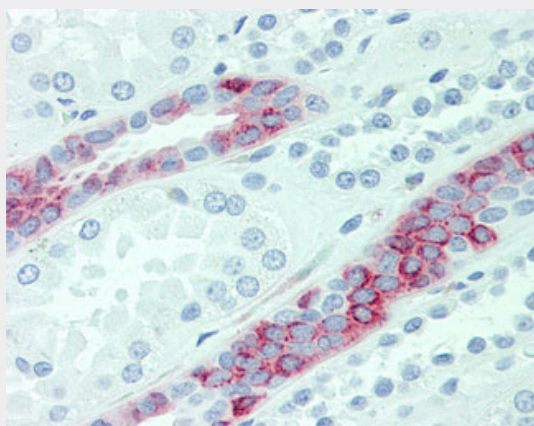
Tissue Location

[Isoform A]: Expressed in the liver, stomach, kidney, prostate, thyroid and rectum. [Isoform B2]: Expressed in the liver and kidney.

SLC4A2 / AE2 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SLC4A2 / AE2 Antibody (Internal) - Images

Anti-SLC4A2 antibody ALS11083 IHC of human kidney.

SLC4A2 / AE2 Antibody (Internal) - Background

Plasma membrane anion exchange protein of wide distribution.

SLC4A2 / AE2 Antibody (Internal) - References

Gehrig H., et al. Biochim. Biophys. Acta 1130:326-328(1992).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Hillier L.W., et al. Nature 424:157-164(2003).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Demuth D.R., et al. EMBO J. 5:1205-1214(1986).