

Slc26a2 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12316**Specification**

Slc26a2 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q62273
Other Accession	NM_007885 , NP_031911
Reactivity	Human, Mouse, Rat, Rabbit, Sheep, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Mouse, Horse, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 81kDa KDa

Slc26a2 antibody - C-terminal region - Additional Information**Gene ID** 13521**Alias Symbol** **Dtd, ST-OB**
Other Names

Sulfate transporter, Diastrophic dysplasia protein homolog, ST-OB, Solute carrier family 26 member 2, Slc26a2, Dtd, Dtdst

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Slc26a2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Slc26a2 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Slc26a2 antibody - C-terminal region - Protein Information**Name** Slc26a2**Synonyms** Dtd, Dtdst**Function**

Sulfate transporter which mediates sulfate uptake into chondrocytes in order to maintain adequate sulfation of proteoglycans which is needed for cartilage development (PubMed:24302720). Mediates electroneutral anion exchange of sulfate ions for oxalate ions, sulfate and oxalate ions for chloride and/or hydroxyl ions and chloride ions for bromide, iodide and nitrate ions (PubMed:<a

[20219950](http://www.uniprot.org/citations/20219950), PubMed:<[22190686](http://www.uniprot.org/citations/22190686)>, PubMed:<[24302720](http://www.uniprot.org/citations/24302720)>). The coupling of sulfate transport to both hydroxyl and chloride ions likely serves to ensure transport at both acidic pH when most sulfate uptake is mediated by sulfate-hydroxide exchange and alkaline pH when most sulfate uptake is mediated by sulfate-chloride exchange (PubMed:<[22190686](http://www.uniprot.org/citations/22190686)>). Essential for chondrocyte proliferation, differentiation and cell size expansion (PubMed:<[24302720](http://www.uniprot.org/citations/24302720)>).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P50443}; Multi-pass membrane protein. Apical cell membrane {ECO:0000250|UniProtKB:O70531}; Multi-pass membrane protein

Tissue Location

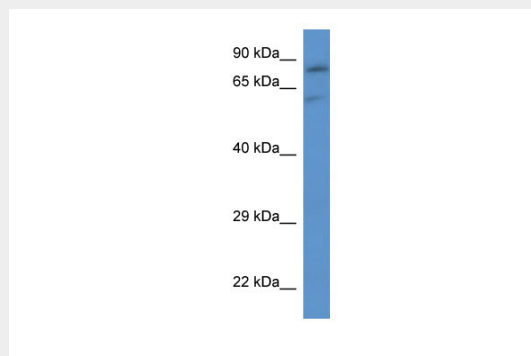
Distributed mainly in the thymus, testis and osteoblastic cells (PubMed:9370300). Highly expressed in the bone, cartilage, kidney and colon (PubMed:24302720)

Slc26a2 antibody - C-terminal region - 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](#)

Slc26a2 antibody - C-terminal region - Images



WB Suggested Anti-Slc26a2 Antibody Titration: 1.0 µg/ml

Positive Control: Mouse Heart