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Slc26a2 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12316

Product Information

Application	WB
Primary Accession	Q62273
Other Accession	NM_007885, NP_031911
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine, Sheep
Predicted	Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81604

Additional Information

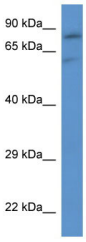
Gene ID	13521
Alias Symbol	Dtd, ST-OB
Other Names	Sulfate transporter, Diastrophic dysplasia protein homolog, ST-OB, Solute carrier family 26 member 2, Slc26a2, Dtd, Dtdst
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	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.

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:20219950, PubMed:22190686, PubMed: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). Essential for chondrocyte proliferation, differentiation and cell size expansion (PubMed: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)

Images



WB Suggested Anti-Slc26a2 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Heart

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.