SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Marker Primary Antibody]

Rabbit Anti-SLC26A8/Biotin Conjugated antibody

Catalog Number: SL21247R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-SLC26A8/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human SLC26A8
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Background:	background: This gene encodes a member of the SLC26 gene family of anion transporters. Family members are well conserved in gene structure and protein length yet have markedly different tissue expression patterns. The expression of this gene appears to be restricted to spermatocytes. Alternatively spliced transcript variants that encode different isoforms have been described. [provided by RefSeq, Jul 2010] **Function:** Acts as a DIDS-sensitive anion exchanger mediating chloride, sulfate and oxalate transport. May fulfill critical anion exchange functions in male germ line during meiosis and hence may play a role in spermatogenesis. May be involved in a new regulatory pathway linking sulfate transport to RhoGTPase signaling in male germ cells. A critical component of the sperm annulus that is essential for correct sperm tail differentiation and motility and hence male fertility. May form a moleculer complex involved in the regulation of chloride and bicarbonate ions fluxes during sperm capacitation. **Subunit:** Interacts with RACGAP1. Interacts with CFTR.

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

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	Subcellular Location: Membrane; Multi-pass membrane protein. **Note:** Located at the annulus ring structure within the sperm cell. **Tissue Specificity:** Expression observed exclusively in testis, restricted to the meiotic phase of the germ cell. Abundant expression located in the seminiferous tubules, concentrated on the luminal side of the tubuli harboring the spermatocytes and spermatids. Expressed in spermatozoa. DISEASE: The disease is caused by mutations affecting the gene represented in this entry. Disease description:A disorder characterized by primary infertility, sperm morphologic abnormalities, and moderate to severe asthenozoospermia, condition in which the percentage of progressively motile sperm is abnormally low. **Similarity:** Belongs to the SLC26A/SulP transporter (TC 2.A.53) family. Contains 1 STAS domain. **Database links:** **Entrez Gene:** 116369 Human Omim: 608480 Human **SwissProt:** Q96RN1 Human **Unigene:** 435836 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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