
Product Name: SL9C1 Rabbit Polyclonal Antibody**Catalog #: APRab17941**

For research use only.

Summary

| | |
|----------------------|---|
| Description | Rabbit polyclonal Antibody |
| Host | Rabbit |
| Application | WB,ELISA |
| Reactivity | Human,Rat,Mouse |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Polyclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N. |
| Purification | Affinity purification |

Application

| | |
|-------------------------|--------------------------------------|
| Dilution Ratio | WB 1:500-1:2000,ELISA 1:5000-1:20000 |
| Molecular Weight | 129kDa |

Antigen Information

| | |
|--------------------------|---|
| Gene Name | SLC9C1 SLC9A10 |
| Alternative Names | |
| Gene ID | 285335.0 |
| SwissProt ID | Q4G0N8 |
| Immunogen | Synthesized peptide derived from part region of human protein |

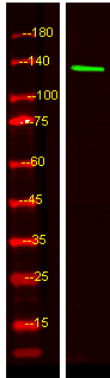
Background

SLC9A10 is a member of the sodium-hydrogen exchanger (NHE) family (see SLC9A1, MIM 107310) and is required for male fertility and sperm motility (Wang et al., 2003 [PubMed 14634667]).[supplied by OMIM, Apr 2009],domain:The ion transport-like region is related to the membrane segments of voltage-gated ion channels. Its function is unknown.,function:Sperm-

specific sodium/hydrogen exchanger involved in intracellular pH regulation of spermatozoa. Required for sperm motility and fertility. Involved in sperm cell hyperactivation, a step needed for sperm motility which is essential late in the preparation of sperm for fertilization. Required for the expression and bicarbonate regulation of the soluble adenylyl cyclase (sAC),similarity:Belongs to the monovalent cation:proton antiporter 1 (CPA1) transporter (TC 2.A.36) family.,similarity:Contains 1 cyclic nucleotide-binding domain.,subunit:Interacts with soluble adenylyl cyclase (sAC),

Research Area

Image Data



Western Blot analysis of HEK293 lysis, using primary antibody at 1:1000 dilution. Secondary antibody was diluted at 1:10000