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-SCLT1/AF594 Conjugated antibody

**Catalog Number: SL23350R-AF594**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

| | |
|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | Anti-SCLT1/AF594 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human SCLT1 |
| **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:** | IF=1:100-500<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Human,Mouse(predicted:Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep) |
| **Background:** | background: SCLT1 (sodium channel and clathrin linker 1), also known as CAP1A or hCAP-1A, is a 688 amino acid cytoplasmic protein that acts as a linker between the voltage-gated sodium channel, Na+ CP type X? and clathrin. SCLT1 is abundantly expressed in DRG (dorsal root ganglia) neurons and colocalizes with Na+ CP type X? SCLT1 regulates Na+ CP type X?channel activity by promoting channel internalization. SCLT1 exists as four alternatively spliced isoforms and is encoded by a gene located on human chromosome 4, which encodes nearly 6% of the human genome and has the largest gene deserts (regions of the genome with no protein encoding genes) of all human chromosomes. Defects in some of the genes located on chromosome 4 are associated with Huntington's disease, Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.<br>**Function:** Adapter protein that links SCN10A to clathrin. Regulates SCN10A channel activity, possibly by promoting channel internalization.<br>**Subunit:** Interacts with SCN10A and clathrin. Identified in a complex |

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

| | |
|---|---|
| | containing SCN10A, clathrin and SCLT1 (By similarity).<br>**Subcellular Location:** Cytoplasm. Cell periphery.<br>**Database links:**<br>**Entrez Gene:** 132320 Human<br>Omim: 611399 Human<br>**SwissProt:** Q96NL6 Human<br>**Unigene:** 654690 Human<br>Important<br>**Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |