



Rabbit Anti-SORCS2 antibody

SL11963R

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| Product Name: | SORCS2 |
| Chinese Name: | 液泡蛋白分选受体SORCS2抗体 |
| Alias: | KIAA1329; SORCS 2; Sortilin related VPS10 domain containing receptor 2; VPS10 domain receptor protein; VPS10 domain receptor protein SORCS 2; SORC2_HUMAN. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat, |
| Applications: | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 123kDa |
| Cellular localization: | The cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human SORCS2:201-300/1159 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| 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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | There are three SorCS genes that have diverse, partially overlapping functions in the central nervous system. In the developing and mature central nervous system, SorCS1, SorCS2 and SorCS3 genes are expressed in a combinatorial, non-overlapping pattern. SorCS proteins show homology to the mosaic receptor SorLA and the neurotensin receptor sortilin, based on a common VPS10 domain, which is the hallmark of the SorCS receptor family. SorCS2 (sortilin-related VPS10 domain containing receptor 2) |

is a 1,150 amino acid single-pass type I membrane protein that is highly expressed in brain and kidney. Containing six BNR repeats and a single PKD domain, SorCS2 is encoded by a gene that maps to 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 of the human chromosomes.

Function:

SORCS2 is a member of the vacuolar protein sorting 10 (VPS10) domain containing receptor protein family. The VPS10 domain name comes from the yeast carboxypeptidase Y sorting receptor Vps10 protein. These proteins are strongly expressed in the central nervous system.

Subcellular Location:

Membrane; Single pass type I membrane protein.

Tissue Specificity:

Highly expressed in brain and kidney. Detected at low levels in heart, liver, small intestine, skeletal muscle and thymus.

Similarity:

Belongs to the VPS10-related sortilin family. SORCS subfamily.

Contains 6 BNR repeats.

Contains 1 PKD domain.

SWISS:

Q96PQ0

Gene ID:

57537

Database links:

UniProtKB/Swiss-Prot: Q96PQ0.3

Important Note:

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