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

Rabbit Anti-Sidekick 1 antibody

SL11164R

Product Name:	Sidekick 1
Chinese Name:	Cell adhesion molecule伴侣蛋白1抗体
Alias:	FLJ31425; Protein sidekick-1; sdk1; SDK1_HUMAN; sidekick 1 antibody Sidekick homolog 1, cell adhesion molecule (chicken); sidekick1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Horse,Sheep,
Applications:	ELISA=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:	242kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Sidekick 1:1501-1600/2213<Extracellular>
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:	Cell adhesion molecules influence cell growth, differentiation, embryogenesis, immune response and cancer metastasis by networking information from the extracellular matrix to the cell. Sidekick-1 (SDK1) is a 2,213 amino acid single-pass membrane protein that functions as a cell adhesion molecule by guiding axonal terminals to specific synapses in developing neurons. Existing as three alternatively spliced isoforms, Sidekick-1 is

expressed in retinal neurons and contains thirteen fibronectin type-III domains and six Ig-like C2-type (immunoglobulin-like) domains. Sidekick-1 expression is upregulated in glomeruli of patients with HIV-associated nephropathy, where it leads to podocyte dysfunction. The gene encoding Sidekick-1 maps to human chromosome 7p22.2 and murine chromosome 5 G2.

Function:
Cell adhesion protein that guides axonal terminals to specific synapses in developing neurons. Dysregulation of this protein may play an important role in podocyte dysfunction in HIV-associated nephropathy.

Subunit:
Contains 13 fibronectin type-III domains. Contains 6 Ig-like C2-type (immunoglobulin-like) domains.

Subcellular Location:
Membrane.

Tissue Specificity:
Up-regulated in glomeruli in HIV-associated nephropathy. In diseased glomeruli, significantly overexpressed and the expression is no longer restricted to mesangial cells but includes podocytes and parietal epithelial cells.

Similarity:
Contains 13 fibronectin type-III domains.
Contains 6 Ig-like C2-type (immunoglobulin-like) domains.

SWISS:
Q7Z5N4

Gene ID:
221935

Database links:

Entrez Gene: 221935Human

Omim: 607216Human

SwissProt: Q7Z5N4Human

Unigene: 653013Human

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