



Rabbit Anti-Vinexin antibody

SL13741R

Product Name:	Vinexin
Chinese Name:	细胞间粘附蛋白Vinexin抗体
Alias:	SCAM 1; SCAM1; SH3 containing adapter molecule 1; SH3 domain containing adapter molecule 1; SH3D4; Sorbin and SH3 domain containing 3; Sorbin and SH3 domain containing protein 3; Sorbs3; Vinexin alpha; Vinexin; Vinexin beta (SH3 containing adaptor molecule 1).
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
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:	75kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Vinexin:401-500/671
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:	Vinexin is a 671 amino acid protein that is expressed as two isoforms, designated Vinexin alpha and Vinexin beta. Localized to cell junctions in both the cytoplasm and the cytoskeleton, Vinexin alpha functions to promote Actin stress fiber formation, playing an important role in modification of the Actin cytoskeleton. Like Vinexin alpha,

Vinexin beta is localized to cell junctions in the cytoplasm, but is also found in the nucleus where it plays an important role in cell spreading and in activation of the JNK pathway in response to EGF stimulation. Although Vinexin alpha and Vinexin beta have different roles within the cell, both proteins contain three SH3 domains in their carboxy terminus and are expressed in a variety of tissues, including placenta, heart, liver, brain, pancreas and skeletal muscle. Together, Vinexin alpha and Vinexin beta are involved in cell-cell adhesion, signal transduction and cytoskeletal organization throughout the cell.

Function:

Vinexin is a focal adhesion protein with a sorbin homology (SoHo) domain as well as 3 SH3 domains. It exists as at least three splice variants - alpha, beta and gamma. It is thought to play a key role in cell adhesion, cell spreading and migration and cytoskeletal organisation. It has also been implicated signaling due to its interaction with the extracellular signal-regulated kinase ERK. Binds to vinculin at sites of cell-cell contact.

Subcellular Location:

Localized at cell-extracellular matrix junctions. Both isoforms were localized at focal adhesion and cell-cell adhesion sites, vinexin beta was also found in the nucleus.

SWISS:

O60504

Gene ID:

10174

Database links:

[Entrez Gene: 10174](#) Human

[Oimim: 610795](#) Human

[SwissProt: O60504](#) Human

[Unigene: 528572](#) Human

Important Note:

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