Datasheet for ABIN2782226

anti-ICAM5 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	ICAM5
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ICAM5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ICAM5
Sequence:	RRNGTQRGLR WLARQLVDIR EPETQPVCFF RCARRTLQAR GLIRTFQRPD
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against ICAM5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ICAM5

Target Details

Alternative Name:	ICAM5 (ICAM5 Products)
Background:	ICAM5 is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein is expressed on the surface of telencephalic neurons and displays two types of adhesion activity, homophilic binding between neurons and heterophilic binding between neurons and leukocytes. It may be a critical component in neuron-microglial cell interactions in the course of normal development or as part of neurodegenerative diseases.The protein encoded by this gene is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein is expressed on the surface of telencephalic neurons and displays two types of adhesion activity, homophilic binding between neurons and heterophilic binding between neurons and leukocytes. It may be a critical component in neuron-microglial cell interactions in the course of normal development or as part of neurodegenerative diseases. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: TLCN, TLN Protein Interaction Partner: FBXO6, PSEN2, ITGB2, ITGAL, PSEN1, Protein Size: 924
Molecular Weight:	95 kDa
Gene ID:	7087
NCBI Accession:	NM_003259, NP_003250
UniProt:	Q9UMF0
Pathways:	Cell-Cell Junction Organization, ER-Nucleus Signaling, Maintenance of Protein Location

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 924 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid

Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

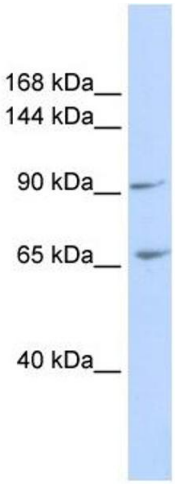
Product cited in:

Wanitchakool, Ousingsawat, Sirianant, Cabrita, Faria, Schreiber, Kunzelmann: "Cellular defects by deletion of ANO10 are due to deregulated local calcium signaling." in: **Cellular signalling**, Vol. 30, pp. 41-49, (2016) (PubMed).

Schreiber, Kunzelmann: "Expression of anoctamins in retinal pigment epithelium (RPE)." in: **Pflügers Archiv : European journal of physiology**, Vol. 468, Issue 11-12, pp. 1921-1929, (2016) (PubMed).

Hammer, Wanitchakool, Sirianant, Papiol, Monnheimer, Faria, Ousingsawat, Schramek, Schmitt, Margos, Michel, Kraiczy, Pawlita, Schreiber, Schulz, Fingerle, Tumani, Ehrenreich, Kunzelmann: " A Coding Variant of ANO10, Affecting Volume Regulation of Macrophages, Is Associated with Borrelia Seropositivity." in: **Molecular medicine (Cambridge, Mass.)**, Vol. 21, pp. 26-37, (2015) (PubMed).

Tian, Schreiber, Kunzelmann: "Anoctamins are a family of Ca2+-activated Cl- channels." in: **Journal of cell science**, Vol. 125, Issue Pt 21, pp. 4991-8, (2013) (PubMed).



Western Blotting

Image 1. WB Suggested Anti-ICAM5 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: 293T cell lysate ICAM5 is supported by BioGPS gene expression data to be expressed in HEK293T

