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

[Primary Antibody]

Rabbit Anti-Nectin 3 antibody

Catalog Number: SL6181R

FOR RESEARCH USE ONLY

[DATASHEET]

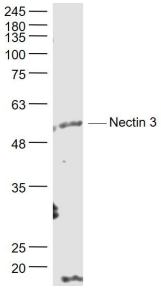
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Nectin 3
Immunogen:	KLH conjugated synthetic peptide derived from human Nectin 3: 431-549/549
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Cow,Rabbit)
Predicted MW.:	55kDa
Subcellular Location:	The cell membrane
Background:	Nectins are immunoglobulin-like adhesion molecules that interact with afadin. Afadin is an actin filament-binding protein that connects nectins to the actin cytoskeleton. The nectin-afadin system organizes adherens junctions cooperatively with the cadherin-catenin system in epithelial cells. The nectin/PRR-family consists of four members, nectin-1, -2, -3 and -4. All the members of the nectin family have two or three slice variants. Nectin 3 is mainly expressed in testis and placental tissues and interacts in vivo with both long and short isoforms of afadin. **Function:** Plays a role in cell-cell adhesion through heterophilic trans-interactions with nectin-like proteins or nectins, such as trans-interaction with PVRL2/nectin-2 at Sertoli-spermatid junctions. Trans-interaction with PVR induces activation of CDC42 and RAC small G proteins through common signaling molecules such as SRC and RAP1. Also involved in the formation of cell-cell junctions, including adherens junctions and synapses. Induces endocytosis-mediated down-regulation of PVR from the cell surface, resulting

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

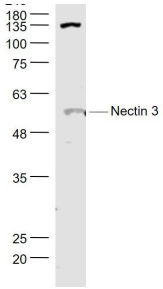
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	in reduction of cell movement and proliferation. Plays a role in the morphology of the ciliary body. **Subunit:** Cis- and trans-homodimer. Can form trans-heterodimers with PVRL1/nectin-1, PVRL2/nectin-2, PVR, IGSF4B/Necl-1 and with IGSF4. Interacts with MLLT4/afadin. Binds with low affinity to TIGIT. **Subcellular Location:** Cell membrane; Single-pass membrane protein (Potential). **Tissue Specificity:** Predominantly expressed in testis and placenta as well as in many cell lines, including epithelial cell lines. **Similarity:** Belongs to the nectin family. Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain. **Database links:** **Entrez Gene:** 25945 Human **Entrez Gene:** 58998 Mouse Omim: 607147 Human **SwissProt:** Q9NQS3 Human **SwissProt:** Q9JLB9 Mouse **Unigene:** 293917 Human **Unigene:** 328072 Mouse

[VALIDATION IMAGES]



Sample:
Epididymis (Mouse) Lysate at 40 ug
Primary: Anti- Nectin 3 (SL6181R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 55 kD
Observed band size: 55 kD



Sample:
HUVEC(Human) Cell Lysate at 30 ug
Primary: Anti- Nectin 3 (SL6181R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 55 kD
Observed band size: 55 kD

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