SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-ANKRD6 antibody

Catalog Number: SL8728R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ANKRD6
Immunogen:	KLH conjugated synthetic peptide derived from human ANKRD6/Diversin: 421-520/727
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 ELISA=1:5000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Cow, Horse, Sheep)
Predicted MW.:	85kDa
Subcellular Location:	The nucleus cytoplasmic
Background:	Diversin, also known as ANKRD6 (ankyrin repeat domain 6), is a 727 amino acid protein that contains eight ankyrin repeats and belongs to the ankyrin repeat domain protein family. Members of the ankyrin repeat domain family facilitate protein-protein interactions and function as adaptors of signaling pathways. Expressed in a developmentally-regulated manner and at highest levels in the brain, Diversin is believed to play a role in brain development. Via its ankyrin repeats, Diversin can directly interact with Dvl (dishevelled), an interaction that is essential for the activation of noncanonical Wnt signaling. In addition, Diversin contains a C-terminal domain that binds Axin/Conductin and a casein kinase-binding domain in its central region that specifically binds casein kinase Ié. Through the action of these additional domains, Diversin may also facilitate canonical Wnt signaling. Due to alternative splicing events, three Diversin isoforms exist.

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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	Function: Recruits CKI-epsilon to the beta-catenin degradation complex that consists of AXN1 or AXN2 and GSK3-beta and allows efficient phosphorylation of beta-catenin, thereby inhibiting beta-catenin/Tcf signals. **Subunit:** Interacts with AXN1, AXN2 and CSNK1E/CKI-epsilon. **Similarity:** Contains 8 ANK repeats. **Database links:** **Entrez Gene:** 22881 Human Omim: 610583 Human **SwissProt:** Q9Y2G4 Human **Unigene:** 702213 Human

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