



Rabbit Anti-ANKRD6 antibody

SL8728R

Product Name:	ANKRD6
Chinese Name:	锚蛋白重复域6抗体
Alias:	ANKRD 6; ankyrin repeat domain 6; ANKR6_HUMAN; Ankyrin repeat domain-containing protein 6; Diversin.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,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:	85kDa
Cellular localization:	The nucleocytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ANKRD6/Diversin:421-520/727
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:	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 I ϵ . Through the action of these additional domains, Diversin may also facilitate canonical Wnt signaling. Due to alternative splicing events, three Diversin isoforms exist.

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.

SWISS:

Q9Y2G4

Gene ID:

22881

Database links:

[Entrez Gene: 22881](#) Human

[Omim: 610583](#) Human

[SwissProt: Q9Y2G4](#) Human

[Unigene: 702213](#) Human

Important Note:

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