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Rabbit Anti-NEURL2 antibody

SL19213R

Product Name:	NEURL2
Chinese Name:	E3Ubiquitin连接酶蛋白NEURL2抗体
Alias:	Neuralized E3 Ubiquitin Protein Ligase 2; C20orf163; Chromosome 20 Open Reading Frame 163; Neuralized Homolog 2 (Drosophila) ; Neuralized-Like 2 (Drosophila); Neuralized-Like Protein 2; Neuralized Homolog 2; OZZ-E3; OZZ; NEUL2_HUMAN;
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=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:	32kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NEURL2:1-100/285
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:	This gene encodes a protein that is involved in the regulation of myofibril organization. This protein is likely the adaptor component of the E3 ubiquitin ligase complex in striated muscle, and it regulates the ubiquitin-mediated degradation of beta-catenin during myogenesis. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jun 2013]

Function:
Plays an important role in the process of myofiber differentiation and maturation. Probable substrate-recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex, which mediates the ubiquitination of proteins. Probably contributes to catalysis through recognition and positioning of the substrate and the ubiquitin-conjugating enzyme. During myogenesis, controls the ubiquitination and degradation of the specific pool of CTNNB1/beta-catenin located at the sarcolemma By similarity.

Subcellular Location:
Cytoplasmic

Tissue Specificity:
Expressed specifically in skeletal and cardiac muscles.

Similarity:
Probable component the ECS(NEURL2) E3 ubiquitin-protein ligase complex consisting of TCEB2/Elongin B, TCEB1/Elongin C, CUL5, RBX1 and NEURL2. Interacts with CTNNB1 By similarity.

SWISS:
Q9BR09

Gene ID:
140825

Database links:

Entrez Gene: 140825 Human

Entrez Gene: 415115 Mouse

Entrez Gene: 311633 Rat

Omim: 608597 Human

SwissProt: Q9BR09 Human

SwissProt: Q9D0S4 Mouse

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