Product name:	Neuralized-2 Rabbit Polyclonal Antibody
Cat number:	ABN14591
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human NEURL2. AA range:99-148
Reactivity:	Human,Mouse
Applications:	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight:	36kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

Background:

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],domain:The SOCS domain mediates the interaction with TCEB1 and TCEB2, while the NHR domain may be involved in ubiquitination substrate binding.,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.,pathway:Protein modification; protein ubiquitination.,similarity:Contains 1 NHR (neuralized homology repeat) domain.,similarity:Contains 1 SOCS box domain.,subunit: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.,tissue specificity:Expressed specifically in skeletal and cardiac muscles.,