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Anti-NEURL2 Antibody

Catalog # AP51385

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9BR09
Reactivity	Human, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31690

Additional Information

Gene ID	140825
Other Names	C20orf163; Neuralized-like protein 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NEURL2. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

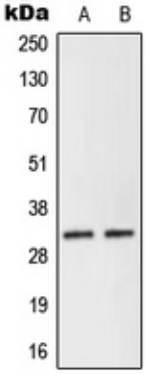
Protein Information

Name	NEURL2
Synonyms	C20orf163
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).
Cellular Location	Cytoplasm.
Tissue Location	Expressed specifically in skeletal and cardiac muscles.

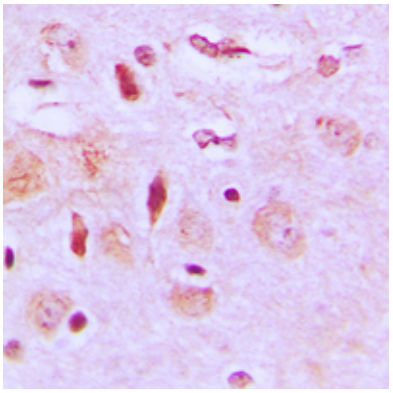
References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Frigimelica E.,et al.Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
Deloukas P.,et al.Nature 414:865-871(2001).
Nastasi T.,et al.Dev. Cell 6:269-282(2004).

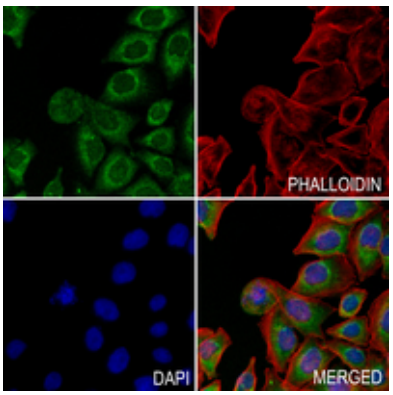
Images



Western blot analysis of NEURL2 expression in Human Placenta (A), KNRK (B) whole cell lysates. (Predicted band size: 31 kD; Observed band size: 32 kD)



Immunohistochemical analysis of NEURL2 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of NEURL2 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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