Product Name: P311 Rabbit Polyclonal Antibody
Catalog #: APRab15613
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	

Antigen Information

Gene Name	NREP
Alternative Names	NREP; C5orf13; P311; Neuronal regeneration-related protein; Neuronal protein 3.1; Protein p311
Gene ID	9315.0
SwissProt ID	Q16612
Immunogen	The antiserum was produced against synthesized peptide derived from human C5orf13. AA range:13-62

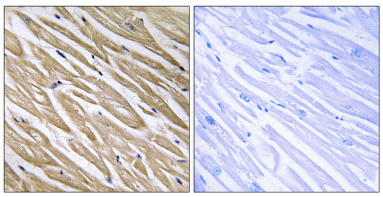
Background

P311, also known as C5orf13 (chromosome 5 open reading frame 13), D4S114, PTZ17 or PRO1873, is a 68 amino acid cytoplasmic protein involved in cellular differentiation, neural function and axonal regeneration. Found in the granular layer of the cerebellum, P311 is expressed at lower levels in hippocampus, olfactory bulb, kidney, liver and heart and when expressed ectopically, P311 augments giloma motility. P311 is enriched in mice within the superficial cortical layers and striatum at E20 and the germinal zones at E17. Known to interact with Filamin 1, P311 regulates retinoic-acid lipid-droplet biogenesis, induces myofibroblast ameboid migration and the differentiation of fibroblasts into myofibroblasts. Ser-59 phosphorylation decreases P311 stability; the gene encoding P311 maps to human chromosome 5q22. regulation of transforming growth factor beta receptor signaling pathway,

Research Area

Cardiovascular; Lipids / Lipoproteins; Adipose Related; Lipid Droplet Protein; Cell Biology; Cell Cycle; Cell differentiation; Signal Transduction; Metabolism; Lipid metabolism; Neuroscience; Neurology process; Neuroregeneration

Image Data



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using C5orf13 Antibody. The picture on the right is blocked with the synthesized peptide.