

## Anti-P311 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat)
Molecular Weight:	Theoretical: 7.9 kDa.
Purification:	Protein A purified

## Applications

Application:	WB,IHC-P,IHC-Fr,IF,ELISA
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; ELISA: 1:5000-10000

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human P311
Antigen Species:	Human
Gene ID:	9315
Uniprot ID:	Q16612
Synonyms:	D4S114;NREP;Neuronal protein 3.1;P311 protein;Protein p311;PTZ17;Chromosome 5 open reading frame 13;C5orf13;Neuronal regeneration-related protein;PRO1873
Biology Area:	Lipid Droplet Protein,Cell differentiation,Neuroregeneration,Lipid metabolism

## Research Background

P311, also called PTZ17, was identified by suppressive subtraction hybridization as potentially involved in smooth muscle (SM) myogenesis., an 8-kDa polypeptide, was previously shown to be highly expressed in invasive glioma cells. P311 is constitutively serine-phosphorylated; decreased phosphorylation is observed in migration-activated glioma cells. The primary amino acid sequence of P311 indicates a putative serine phosphorylation site (S59) near the PEST domain. Site-directed mutagenesis of S59A retarded P311 degradation and induced glioma cell motility. In contrast, S59D mutation resulted in the rapid degradation of P311 and reduced glioma cell migration.

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