

Datasheet for ABIN668496

anti-NREP antibody (AA 25-68)**2** Images**5** Publications[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	NREP (C5orf13)
Binding Specificity:	AA 25-68
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NREP antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human P311
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	NREP (C5orf13)
Alternative Name:	P311 protein (C5orf13 Products)

Target Details

Background:	<p>Synonyms: P311, PTZ17, SEZ17, D4S114, C5orf13, PRO1873, Neuronal regeneration-related protein, Neuronal protein 3.1, Protein p311, NREP</p> <p>Background: May have roles in neural function. Ectopic expression augments motility of gliomas. Promotes also axonal regeneration (By similarity). May also have functions in cellular differentiation (By similarity). Induces differentiation of fibroblast into myofibroblast and myofibroblast ameboid migration. Increases retinoic-acid regulation of lipid-droplet biogenesis (By similarity). Down-regulates the expression of TGFB1 and TGFB2 but not of TGFB3 (By similarity). May play a role in the regulation of alveolar generation.</p>
Gene ID:	9315
UniProt:	Q16612

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

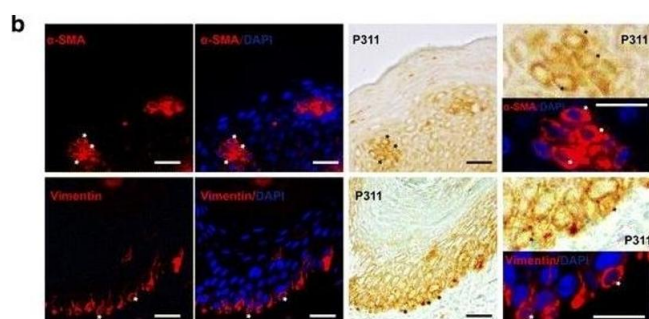
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

- Product cited in: Li, Yao, He, Gao, Bai, Yang, Zhang, Zhan, Tan, Zhou, Takata, Wu, Luo: "P311 induces the transdifferentiation of epidermal stem cells to myofibroblast-like cells by stimulating transforming growth factor β 1 expression." in: **Stem cell research & therapy**, Vol. 7, Issue 1, pp. 175, (2016) ([PubMed](#)).
- Yao, Li, He, Yang, Zhang, Zhan, Xu, Tan, Zhou, Wu, Luo: "P311 Accelerates Skin Wound Reepithelialization by Promoting Epidermal Stem Cell Migration Through RhoA and Rac1 Activation." in: **Stem cells and development**, Vol. 26, Issue 6, pp. 451-460, (2016) ([PubMed](#)).
- Yao, Yang, He, Li, Xu, Zhang, Li, Zhan, Sun, Tan, Zhou, Luo, Wu: "P311 promotes renal fibrosis via TGF β 1/Smad signaling." in: **Scientific reports**, Vol. 5, pp. 17032, (2015) ([PubMed](#)).
- Yan, Zhang, Wang, Xu, Ren, Zhang, Shi, Chen, Shi, Tian, Zhao, Dong: "Significant reduction of the GLUT3 level, but not GLUT1 level, was observed in the brain tissues of several scrapie experimental animals and scrapie-infected cell lines." in: **Molecular neurobiology**, Vol. 49, Issue 2, pp. 991-1004, (2014) ([PubMed](#)).
- Peng, Yuan, Tan, Ma, Bian, Xu, He, Cao, Huang, Cui, Gan, Wang, Zhou, Hu, Yang, Luo, Wu: "Identification of ITGB4BP as a new interaction protein of P311." in: **Life sciences**, Vol. 90, Issue 15-16, pp. 585-90, (2012) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Expression patterns of vimentin, α -SMA, and P311 in the epidermis of human burn wounds. a Immunohistochemical staining for vimentin, α -SMA, and P311 was performed using serial sections of human burn wounds and normal skin. For the negative control, the primary antibodies were replaced with PBS. Scale bar, 25 μ m. b Double-labeling for P311 with vimentin or α -SMA was performed using human burn wound tissues. *Double-labeled cells in the epidermis. Cells are shown magnified in the right panel. Scale bar, 25 μ m - figure provided by CiteAb.

Source: PMID27906099

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Expression patterns of vimentin, α -SMA, and P311 in the epidermis of human burn wounds. a Immunohistochemical staining for vimentin, α -SMA, and P311 was performed using serial sections of human burn wounds and normal skin. For the negative control, the primary antibodies were replaced with PBS. Scale bar, 25 μ m. b Double-labeling for P311 with vimentin or α -SMA was performed using human burn wound tissues. *Double-labeled cells in the epidermis. Cells are shown magnified in the right panel. Scale bar, 25 μ m - figure provided by CiteAb. Source: PMID27906099

