NREP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NREP, Polyclonal Antibody
Full Product Name	NREP Rabbit pAb
Product Gene Name	anti-NREP antibody
Product Synonym Names	P311; PTZ17; SEZ17; D4S114; C5orf13; PRO1873
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C.
Molecular Weight	8kDa
OMIM	607332
3D Structure	ModBase 3D Structure for Q16612
Immunogen	Synthetic peptide of human NREP
Cellular Localization	Cytoplasm
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NREP antibody	Western Blot (WB)
Application Notes for anti-NREP antibody	WB: 200-1000
Related Product Information for anti-NREP antibody	NREP may have roles in neural function. Ectopic expression augments motility of gliomas. Promotes also axonal regeneration. May also have functions in cellular differentiation. Induces differentiation of fibroblast into myofibroblast and myofibroblast ameboid migration. Increases retinoic-acid regulation of lipid-droplet biogenesis. Down-regulates the expression of TGFB1 and TGFB2 but not of TGFB3. May play a role in the regulation of alveolar generation.
Other Notes	Small volumes of anti-NREP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NREP purchase	MBS8560054 is an antibody targeting NREP. Also known as NREP Rabbit pAb. Reactive in Human, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NREP. It may not necessarily be applicable to this product.

NCBI GI #	215599670
NCBI GeneID	9315

NCBI Accession #	NP_001135947.1
UniProt Primary Accession #	Q16612
UniProt Related Accession #	Q16612
GenBank Nucleotide #	NP_001135947.1
NCBI Official Full Name	neuronal regeneration-related protein isoform c
NCBI Official Synonym Full Names	neuronal regeneration related protein
NCBI Official Symbol	NREP
NCBI Official Synonym Symbols	P311; PTZ17; SEZ17; D4S114; C5orf13; PRO1873
UniProt Protein Name	Neuronal regeneration-related protein
UniProt Synonym Protein Names	Neuronal protein 3.1; Protein p311
Protein Family	Neuronal regeneration-related protein
UniProt Gene Name	NREP
UniProt Synonym Gene Names	C5orf13; P311
UniProt Entry Name	NREP_HUMAN
NCBI Protein Information	neuronal regeneration-related protein
UniProt Comments for NREP	P311: May have roles in neural function. Ectopic expression augments motility of gliomas. Promotes also axonal regeneration. May also have functions in cellular differentiation. Induces differentiation of fibroblast into myofibroblast and myofibroblast ameboid migration. Increases retinoic-acid regulation of lipid-droplet biogenesis. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 5q22.1 Cellular Component: cytoplasm; nucleus Molecular Function: protein binding Biological Process: regulation of transforming growth factor beta receptor signaling pathway; regulation of neuron differentiation; axon regeneration
Research Articles on NREP	**1.** P311 is a novel TGFbeta1/Smad signaling-mediated regulator of transdifferentiation in epidermal stem cells during cutaneous wound healing.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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