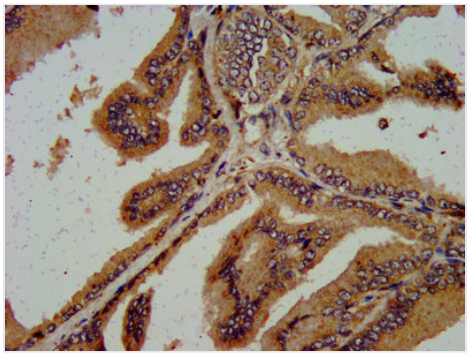
NREP Antibody – Rabbit Polyclonal

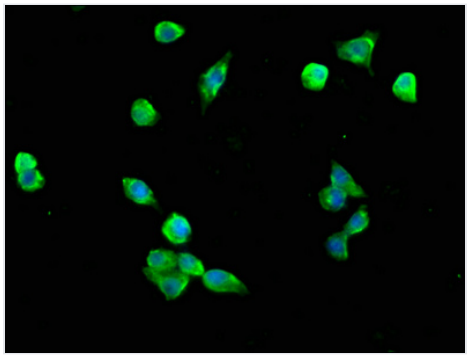
PRODUCT OVERVIEW

Product Name	NREP, Polyclonal Antibody
Full Product Name	NREP Antibody
Product Gene Name	anti-NREP antibody
Product Synonym Names	Neuronal regeneration-related protein; Neuronal protein 3.1; Protein p311; NREP; C5orf13; P311
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: NREP (MBS7107247) HRP Conjugated Antibody: NREP (MBS7107248)
Matching Pairs	Unconjugated Antibody: NREP (MBS7107247) FITC Conjugated Antibody: NREP (MBS7107249)
Matching Pairs	Unconjugated Antibody: NREP (MBS7107247) Biotin Conjugated Antibody: NREP (MBS7107250)
OMIM	U36189 mRNA
3D Structure	ModBase 3D Structure for Q16612
Immunogen	Recombinant Human Neuronal regeneration-related protein (1-68AA)
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Immnuogen Species	Homo Sapien (Human)
Research Area	Cardiovascular
Target Names	NREP
Product Categories/Family for anti-NREP antibody	Neuroscience; Cardiovascular; Cell biology; Metabolism; Signal transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NREP antibody	ELISA (EIA), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-NREP antibody	IHC: 1:500-1:1000 IF: 1:200-1:500

Related Product Information for anti-NREP antibody	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.
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	MBS7107247 is an antibody targeting NREP. Also known as NREP Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-NREP antibody
IHC image of MBS7107247 diluted at 1:600 and staining in paraffin-embedded human prostate tissue performed on a Leica BondTM system.



Immunofluorescence (IF) of anti-NREP antibody
Immunofluorescence staining of SH-SY5Y cells with MBS7107247 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG (H+L).

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 Secondary Accession #	B2RDN8; B7Z5D2; D3DSZ8
UniProt Related Accession #	Q16612
GenBank Nucleotide #	NM_001142475.1
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
NCBI Protein Information	neuronal regeneration-related protein

UniProt Comments for 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.
Research Articles on NREP	**1.** P311 is a novel TGFbeta1/Smad signaling-mediated regulator of transdifferentiation in epidermal stem cells during cutaneous wound healing.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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