

Datasheet for ABIN3043580

anti-Neuregulin 1 antibody (AA 2-241)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Neuregulin 1 (NRG1)
Binding Specificity:	AA 2-241
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neuregulin 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Pro-neuregulin-1, membrane-bound isoform(NRG1) detection. Tested with WB in Human.
Immunogen:	E.coli-derived human NRG1 recombinant protein (Position: S2-K241). Human NRG1 shares 94% amino acid (aa) sequence identity with rat NRG1.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Pro-neuregulin-1, membrane-bound isoform(NRG1) detection. Tested with WB in Human.</p> <p>Gene Name: neuregulin 1</p> <p>Protein Name: Pro-neuregulin-1, membrane-bound isoform</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	Neuregulin 1 (NRG1)
Alternative Name:	NRG1 (NRG1 Products)
Background:	<p>The protein encoded by this gene is a membrane glycoprotein that that mediates cell-cell signaling and plays a critical role in the growth and development of multiple organ systems. An extraordinary variety of different isoforms are produced from this gene through alternative promoter usage and splicing. These isoforms are expressed in a tissue-specific manner and differ significantly in their structure, and are classified as types I, II, III, IV, V and VI.</p> <p>Dysregulation of this gene has been linked to diseases such as cancer, schizophrenia, and bipolar disorder (BPD).</p> <p>Synonyms: Acetylcholine receptor inducing activity antibody Acetylcholine receptor-inducing activity antibody Acetylcholine receptor-inducing activity, CHICK, homolog of antibody ARIA antibody Breast cancer cell differentiation factor p45 antibody ERBB2 p185 activator antibody GGF 2 antibody GGF antibody GGF2 antibody Glial growth factor antibody Heregulin alpha antibody Heregulin antibody heregulin, alpha (45kD, ERBB2 p185-activator) antibody HGL antibody HRG 1 antibody HRG antibody HRG1 antibody HRGA antibody MST131 antibody NDF antibody Neu differentiation factor antibody Neuregulin 1 antibody neuregulin 1 type IV beta 1a antibody neuregulin 1 type IV beta 3 antibody Neuregulin-1 antibody Neuregulin1 antibody NRG 1 antibody nrg1 antibody NRG1-IT2 antibody NRG1_HUMAN antibody OTTHUMP00000225398 antibody OTTHUMP00000225419 antibody OTTHUMP00000225420 antibody OTTHUMP00000225421 antibody OTTHUMP00000225422 antibody OTTHUMP00000225477 antibody OTTHUMP00000225545 antibody OTTHUMP00000230603 antibody OTTHUMP00000230605 antibody Pro neuregulin 1 antibody Pro NRG1 antibody pro-neuregulin-1, membrane-bound isoform antibody Pro-NRG1 antibody Proneuregulin 1 antibody ProNRG1 antibody Sensory and motor neuron derived factor antibody Sensory and motor neuron-derived factor antibody SMDF antibody</p>
Gene ID:	3084
UniProt:	Q02297
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
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Application Details

Notes: Tested Species: Species with positive results.

Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

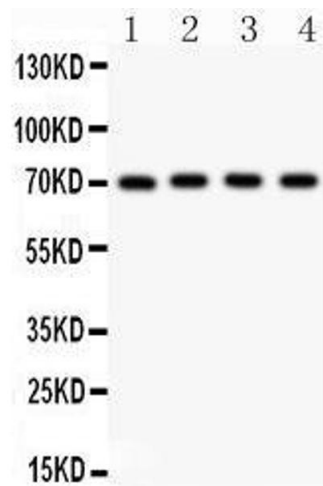
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

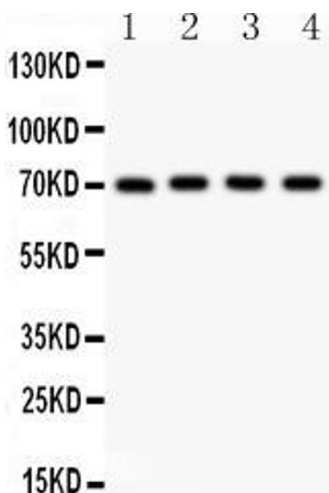
Publications

Product cited in: Wang, Zhou, Ding, Zhu, Jiang, Fu, Wang, Hu, Ge: "Qiliqiangxin improves cardiac function and attenuates cardiac remodeling in rats with experimental myocardial infarction." in: **International journal of clinical and experimental pathology**, Vol. 8, Issue 6, pp. 6596-606, (2015) ([PubMed](#)).



Western Blotting

Image 1.



Western Blotting

Image 2. Anti- NRG1 Picoband antibody, Western blottingAll lanes: Anti NRG1 at 0.5ug/ml Lane 1: MCF-7 Whole Cell Lysate at 40ug Lane 2: SKOV Whole Cell Lysate at 40ug Lane 3: 22RV1 Whole Cell Lysate at 40ug Lane 4: COLO320 Whole Cell Lysate at 40ugPredicted bind size: 70KDObserved bind size: 70KD