

Rabbit anti-Mouse NEGR1 Polyclonal Antibody | anti-NEGR1 antibody

Anti-NEGR1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259133	Rabbit	Mouse	Immunoprecipitation, ELISA, Western Blot

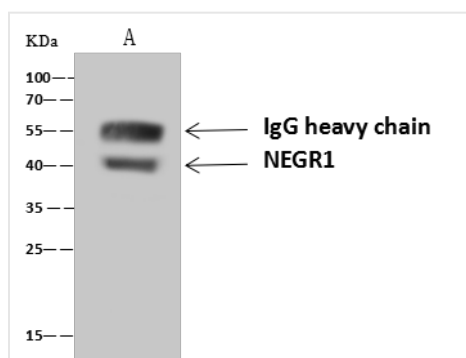
PRODUCT SYNONYMS

NEGR1; Polyclonal Antibody; Anti-NEGR1 Antibody; Rabbit Polyclonal; neuronal growth regulator 1; Anti-5330422G01Rik Antibody; Anti-KILON Antibody; Anti-Ntra Antibody; anti-NEGR1 antibody

PRODUCT SPECIFICATIONS

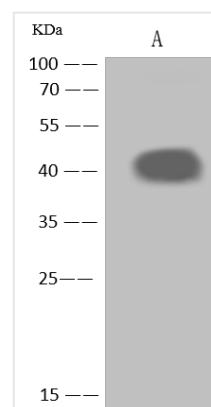
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse NEGR1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-NEGR1 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Mouse NEGR1 Protein
Preparation	Produced in rabbits immunized with purified, recombinant Mouse NEGR1 (rM NEGR1). NEGR1 specific IgG was purified by Mouse NEGR1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

NEGR1 was immunoprecipitated using: Lane A: 0.5 mg Mouse Brain Whole Cell Lysate + 4 uL anti-NEGR1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-NEGR1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 38 kDa. Observed band size: 40 kDa.



WB (Western Blot)

Anti-NEGR1 rabbit polyclonal antibody at 1:500 dilution. Lane A: Mouse brain tissue lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 38 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NEGR1 antibody	Neuronal Growth Regulator 1, NEGR1, also known as neurotractin, or KILON, belongs to the immunoglobulin superfamily, IgLON family. This GPI-linked cell surface glycoprotein NEGR1 is composed of three Ig-like domains and belongs to the IgLON subgroup of neural IgSF members. It is expressed in two isoforms with apparent molecular masses of 50 and 37 kD, termed L-form and S-form, respectively. NEGR1/Neurotractin participates in the regulation of neurite outgrowth in the developing brain and is expressed on the neurites of primary hippocampal neurons. Neurotractin/KILON is a trans-neural growth-promoting factor for outgrowing axons following hippocampal denervation. KILON (kindred of IgLON) and opioid-binding cell adhesion molecule, together with the limbic system-associated membrane protein and neurotrophin, belong to the IgLON subgroup of immunoglobulin superfamily. The alteration of the modulatory function of KILON/NEGR1 for the number of dendritic synapses concomitant with changes in its localization and detergent solubility during neuronal culture development. In addition to its reported role in the brain, NEGR1 is also expressed in subcutaneous adipose tissue and acts as a central 'hub' in an obesity-related transcript network.
References	Marg A, et al. (1999) Neurotractin, a novel neurite outgrowth-promoting Ig-like protein that interacts with CEPU-1 and LAMP. J Cell Biol. 145(4): 865-76. Miyata S, et al. (2003) Biochemical and ultrastructural analyses of IgLON cell adhesion molecules, Kilon and OBCAM in the rat brain. Neuroscience. 117(3): 645-58. Schfer M, et al. (2005) Neurotractin/kilon promotes neurite outgrowth and is expressed on reactive astrocytes after entorhinal cortex lesion. Mol Cell Neurosci. 29(4): 580-90. Hashimoto T, et al. (2008) IgLON cell adhesion molecule Kilon is a crucial modulator for synapse number in hippocampal neurons. Brain Res. 1224: 1-11.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/negr1-antibody-immunoprecipitation-western-blot-elisa/259133>