

**RABBIT ANTI-NEURITE OUTGROWTH INHIBITOR PROTEIN A (Nogo-A)  
AFFINITY PURIFIED  
POLYCLONAL ANTIBODY**

<b>CATALOG NUMBER:</b>	AB5664P
<b>LOT NUMBER:</b>	
<b>QUANTITY:</b>	50 µg
<b>CONCENTRATION:</b>	1.0 mg/mL
<b>SPECIFICITY:</b>	Recognizes rat Neurite Outgrowth Inhibitor Protein A (Nogo-A). The immunogen shows no significant sequence homology with the alternatively spliced shorter forms Nogo-B or Nogo-C.
<b>IMMUNOGEN:</b>	An 18 amino acid peptide sequence in the middle region of the putative extracellular domain of rat Nogo-A (1).
<b>APPLICATIONS:</b>	<p><u>Western blot:</u> 1-10 µg/mL using ECL. The calculated molecular weight of Nogo-A is approximately 135 kDa. However a molecular weight of approximately 180 kDa has been reported for full length Nogo-A (1).</p> <p><u>Immunohistochemistry:</u> not tested. It is recommended that the antibody be tried at 2-20 µg/mL on paraformaldehyde fixed tissue.</p> <p><u>ELISA:</u> 1:10,000-1:100,000 using 50-100 ng control peptide (Catalog Number AG348) per well.</p> <p>Optimal working dilutions must be determined by the end user.</p>
<b>SPECIES REACTIVITIES:</b>	Rat. Reactivity with other species has not been confirmed. The immunogen peptide is highly conserved in mouse (94%) and human (83%) Nogo-A.
<b>FORMAT:</b>	Affinity purified immunoglobulin.
<b>PRESENTATION:</b>	Liquid in PBS, containing 0.05% sodium azide.
<b>STORAGE/HANDLING:</b>	Maintain at -20°C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.
<b>RELATED REFERENCES:</b>	1) Chen MS et al (2000) <i>Nature</i> <b>403</b> , 434-439; GrandPre T et al (2000) <i>Nature</i> <b>403</b> ; 439-444; Goldberg JL and Barres BA (2000) <i>Nature</i> <b>403</b> ; 369-370; Prinjha R et al (2000) <i>Nature</i> <b>403</b> , 383-384; Tessier-Lavigne M and Goodman CS (2000) <i>Science</i> <b>287</b> , 813-814; Nagase T et al (1998) <i>DNA Res.</i> <b>5</b> , 355-364.

**Important Note:** *During shipment, small volumes of antibody will occasionally become entrapped in the seal of the product vial. For antibodies with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial on a tabletop centrifuge to dislodge any liquid in the container's cap.*  
*For research use only; not for use as a diagnostic.*

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