

Product datasheet

# Anti-GDNF Receptor alpha 2 antibody ab6170

Overview

<b>Product name</b>	Anti-GDNF Receptor alpha 2 antibody
<b>Description</b>	Rabbit polyclonal to GDNF Receptor alpha 2
<b>Host species</b>	Rabbit
<b>Specificity</b>	Specific to GFR alpha 2. No reaction with its homologues.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-Fr, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat
<b>Immunogen</b>	Synthetic peptide: PRVEKTPSLPDDLSD conjugated to KLH by a Glutaraldehyde linker, corresponding to amino acids 376-390 of Rat GDNF family Receptor alpha 2.  <div style="text-align: right;"> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a> </div>
<b>General notes</b>	This antibody stains large neurons in the rat dorsal root ganglia. It has also proven useful for western blot of rat brain.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab6170** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		

Application	Abreviews	Notes
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WB

<b>Application notes</b>	Immunohistochemistry: 1/1,000 Western Blot: 1/500-1,000 Immunoblot: Not tested. 1 site ELISA: Not tested. Biological Inhibition: Not tested.
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## Target

<b>Function</b>	Receptor for neurturin. Mediates the NRTN-induced autophosphorylation and activation of the RET receptor. Also able to mediate GDNF signaling through the RET tyrosine kinase receptor. Isoform 2: Participates to NRTN-induced 'Ser-727' phosphorylation of STAT3.
<b>Tissue specificity</b>	Isoform 1 is found in both brain and placenta.
<b>Sequence similarities</b>	Belongs to the GDNFR family.
<b>Cellular localization</b>	Cell membrane.

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