

Product datasheet

Anti-GDNF Receptor alpha 2 antibody ab6170

Overview

Product name	Anti-GDNF Receptor alpha 2 antibody
Description	Rabbit polyclonal to GDNF Receptor alpha 2
Host species	Rabbit
Specificity	Specific to GFR alpha 2. No reaction with its homologues.
Tested applications	Suitable for: IHC-Fr, WB
Species reactivity	Reacts with: Mouse, Rat
Immunogen	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;"> Run BLAST with Run BLAST with </div>
General notes	This antibody stains large neurons in the rat dorsal root ganglia. It has also proven useful for western blot of rat brain.

Properties

Form	Liquid
Storage instructions	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.
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	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

Application notes	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

Function	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.
Tissue specificity	Isoform 1 is found in both brain and placenta.
Sequence similarities	Belongs to the GDNFR family.
Cellular localization	Cell membrane.

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