

Datasheet: AHP446

Description:	RABBIT ANTI GDNFR ALPHA
Specificity:	GDNFR ALPHA
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/500 - 1/1000

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Species Cross Reactivity

Reacts with: Rat, Mouse, Human
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antisera to human GDNFR alpha were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by ion exchange chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Peptide from C terminus of human GDNFR alpha.
External Database Links	<p>UniProt: P56159 Related reagents</p> <p>Entrez Gene: 2674 GFRA1 Related reagents</p>
Synonyms	GNDFRA, RETL1, TRNR1
RRID	AB_322749
Specificity	<p>Rabbit anti GDNFα antibody recognizes GDNFR alpha, also known as GFRα-1 (GFRα Nomenclature Committee 1997), GDNF receptor alpha-1, RET ligand 1 or TGF-beta-related neurotrophic factor receptor 1. GFRα-1 is a 465 amino acid ~52 kDa GPI anchored cell surface receptor for glial cell derived neurotrophic factor (GDNF).</p> <p>GFRα-1 is highly expressed in human gliomas (Wiesenhofer et al. 2000).</p>
References	<ol style="list-style-type: none"> 1. Wiesenhofer, B. <i>et al.</i> (2000) Glial cell line-derived neurotrophic factor (GDNF) and its receptor (GFR-alpha 1) are strongly expressed in human gliomas. Acta Neuropathol. 99: 131-7. 2. Weis, C. <i>et al.</i> (2001) Nerve growth factor and glial cell line-derived neurotrophic factor restore the cholinergic neuronal phenotype in organotypic brain slices of the basal nucleus of Meynert. Neuroscience. 102: 129-38. 3. Marco, S. <i>et al.</i> (2002) Excitatory amino acids differentially regulate the expression of GDNF, neurturin, and their receptors in the adult rat striatum. Exp Neurol. 174 (2): 243-52.
Further Reading	<ol style="list-style-type: none"> 1. Jing, S. <i>et al.</i> (1996) GDNF-induced activation of the ret protein tyrosine kinase is mediated by GDNFR-alpha, a novel receptor for GDNF. Cell. 85 (7): 1113-24. 2. Treanor, J.J. <i>et al.</i> (1996) Characterization of a multicomponent receptor for GDNF. Nature. 382 (6586): 80-3.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP446>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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