

#### DESCRIPTION

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| <b>Species Reactivity</b>                                                                                                                                                                               | Mouse                                                                                                                            |
| <b>Specificity</b>                                                                                                                                                                                      | Detects mouse GFR $\alpha$ -like in direct ELISAs and Western blots.                                                             |
| <b>Source</b>                                                                                                                                                                                           | Polyclonal Sheep IgG                                                                                                             |
| <b>Purification</b>                                                                                                                                                                                     | Antigen Affinity-purified                                                                                                        |
| <b>Immunogen</b>                                                                                                                                                                                        | Chinese hamster ovary cell line CHO-derived recombinant mouse GFR $\alpha$ -like isoform A<br>Gln20-Gly349<br>Accession # Q6SJE0 |
| <b>Conjugate</b>                                                                                                                                                                                        | Alexa Fluor 647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 668 nm                                                  |
| <b>Formulation</b>                                                                                                                                                                                      | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide                                                                     |
| *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |                                                                                                                                  |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| <b>Western Blot</b>         | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunohistochemistry</b> | Optimal dilution of this antibody should be experimentally determined. |

#### PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

#### BACKGROUND

GFR $\alpha$ -like (GDNF receptor-alpha-like) is a predicted 26 and 44 kDa glycoprotein (1) and distant member of the GDNFR family of proteins. It is expressed on both fetal and adult neurons of the CNS, and would appear to function as an anti-apoptotic molecule during neuronal stress. Mature mouse GFR $\alpha$ -like is a 374 amino acid (aa) type I transmembrane protein. It contains a 330 aa extracellular region that shows a Gas1 domain (aa 131-210), and a 23 aa cytoplasmic tail. There is one splice variant that is likely soluble and shows a four aa substitution for aa 235-393. Over aa 20-349, mouse GFR $\alpha$ -like shares 72% aa identity with human GFR $\alpha$ -like.

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