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Datasheet for ABIN1708456

anti-NERP-2 antibody (AA 301-400) (Cy7)

Overview

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| Quantity: | 100 µL |
| Target: | NERP-2 |
| Binding Specificity: | AA 301-400 |
| Reactivity: | Zebrafish (Danio rerio) |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NERP-2 antibody is conjugated to Cy7 |
| Application: | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human NERP2 |
| Isotype: | IgG |
| Cross-Reactivity: | Zebrafish (Danio rerio) |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Horse, Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | NERP-2 |
| Alternative Name: | VGF/NERP2 (NERP-2 Products) |

Target Details

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| Background: | <p>Synonyms: NERP-2, Nerve growth factor inducible, Neuroendocrine regulatory peptide-2, Neurosecretory protein VGF, VGF, VGF_HUMAN.</p> <p>Background: This gene is specifically expressed in a subpopulation of neuroendocrine cells, and is upregulated by nerve growth factor. The structural organization of this gene is similar to that of the rat gene, and both the translated and the untranslated regions show a high degree of sequence similarity to the rat gene. The encoded secretory protein also shares similarities with the secretogranin/chromogranin family, however, its exact function is not known. Nerve growth factor (NGF) is a peptide that plays a key role in the differentiation and survival of neurons in the peripheral nervous system (PNS) and the central nervous system (CNS). VGF is a peptide synthesized and secreted by neurons and is upregulated by NGF in the PC12 cell line. VGF is widely expressed in both the PNS and CNS, but is especially abundant in the adult hypothalamus. VGF plays an essential role in how the brain regulates energy expenditure and body weight. Its expression is rapidly induced by injury, the circadian clock, and neuronal activity.</p> |
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| Gene ID: | 7425 |
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| UniProt: | O15240 |
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Application Details

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| Application Notes: | IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |

Handling

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| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |