

ARG43694 anti-NSE / Neuron Specific Enolase antibody

Package: 100 µl
Store at: -20°C

Summary

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| Product Description | Rabbit Polyclonal antibody recognizes NSE / Neuron Specific Enolase |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | IP, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | NSE / Neuron Specific Enolase |
| Species | Human |
| Immunogen | Recombinant protein fragment corresponding to Human NSE / Neuron Specific Enolase. |
| Conjugation | Un-conjugated |
| Alternate Names | Neural enolase; NSE; Enolase 2; Gamma-enolase; 2-phospho-D-glycerate hydro-lyase; HEL-S-279; Neuron-specific enolase; EC 4.2.1.11 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|----------------|
| | IP | 1:10 - 1:25 |
| | WB | 1:500 - 1:1000 |

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size ~ 48 kDa

Properties

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| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | 50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA. |
| Preservative | 0.01% Sodium azide |
| Stabilizer | 40% Glycerol and 0.05% BSA |
| Concentration | Batch dependent |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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| Gene Symbol | ENO2 |
| Gene Full Name | enolase 2 (gamma, neuronal) |
| Background | This gene encodes one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in mature neurons and cells of neuronal origin. A switch from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates. [provided by RefSeq, Jul 2008] |
| Function | Has neurotrophic and neuroprotective properties on a broad spectrum of central nervous system (CNS) neurons. Binds, in a calcium-dependent manner, to cultured neocortical neurons and promotes cell survival (By similarity). [UniProt] |
| Calculated Mw | 47 kDa |
| PTM | Acetylation; Hydroxylation; Isopeptide bond; Phosphoprotein; Ubl conjugation |
| Cellular Localization | Cytoplasm. Cell membrane. Note=Can translocate to the plasma membrane in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma) form. [UniProt] |