Human/Mouse/Rat Enolase 2/Neuron-specific Enolase Alexa Fluor® 405-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF5169V
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human and mouse Enolase 2/Neuron-specific Enolase in direct ELISAs. Detects human, mouse, and rat Enolase 2/Neuron-specific Enolase in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human Enolase 2/Neuron-specific Enolase Met1-Leu434 Accession # P09104
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	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.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

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

BACKGROUND

Enolase 2 (2-phospho-D-glycerate hydrolyase; also neural enolase and γ-enolase) is a 46 kDa member of the Enolase family of enzymes. It is expressed in developing neurons and glia, is known to catalyze the generation of phosphoenolpyruvate, and is suggested to possess neurotrophic activity for neurons, likely through an extracellular mechanism. Human Enolase 2 is 434 amino acids (aa) in length. The enzymatic site spans most of the length of the molecule. Enolase 2 exists as both a noncovalently-linked homodimer, or heterodimer with α-enolase. Full-length human Enolase 2 is 99% aa identical to both mouse and canine Enolase 2. It shares 83% aa identity with human enolases # 1 and # 3.

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