

Datasheet for ABIN7595318 **anti-Enolase antibody**

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Overview

Quantity:	500 µg
Target:	Enolase
Reactivity:	Human
Host:	Chicken
Clonality:	Polyclonal
Conjugate:	This Enolase antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Chicken antibody to Enolase
Immunogen:	A synthetic peptide from AA of 10-50 of human Enolase conjugated to blue carrier protein was used as the antigen. The peptide is homologous in rat and mouse.
Isotype:	IgY
Specificity:	Specific for Enolase (alpha beta gamma).
Cross-Reactivity:	Human, Marmoset, Mouse, Rat
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	Purified IgY

Target Details

Target:	Enolase
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Target Details

Abstract: [Enolase Products](#)

Background: **Function:** Multifunctional enzyme that as well as its role in glycolysis plays a part in various processes such as growth control hypoxia tolerance and allergic responses. May also function in the intravascular and pericellular fibrinolytic system due to its ability to serve as a receptor and activator of plasminogen on the cell surface of several cell-types such as leukocytes and neurons. Stimulates immunoglobulin production. Mammalian enolase is composed of 3 isozyme subunits alpha beta and gamma which can form homodimers or heterodimers which are cell-type and development-specific. ENO1 interacts with PLG in the neuronal plasma membrane and promotes its activation. The C-terminal lysine is required for this binding. In vitro interacts with several glycolytic enzymes including PKM2 PGM CKM and aldolase. Also binds troponin in vitro. **Subcellular location:** Cytoplasm. Cell membrane. **Note:** Can translocate to the plasma membrane in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma) form. ENO1 is localized to the M-band. **Tissue specificity:** The alpha/alpha homodimer is expressed in embryo and in most adult tissues. The alpha/beta heterodimer and the beta/beta homodimer are found in striated muscle and the alpha/gamma heterodimer and the gamma/gamma homodimer in neurons. In striated muscle expression of ENO1 appears to be independent of fiber type.

Application Details

Application Notes: WB. A dilution of 1 : 1000 is recommended. The optimal dilution should be determined by the end user. Not yet tested in other applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.

Storage: 4 °C, -20 °C

Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8C for a shorter term.

Expiry Date: 12 months