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KD-Validated Anti-Enolase 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1301

Product Information

Application	WB, FC, ICC
Primary Accession	P06733
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB2820
Calculated MW	47169
Gene Name	ENO1
Aliases	ENO1; Enolase 1; Alpha-Enolase; ENO1L1; MBP-1; MPB1; PPH; ENO1 Intronic Transcript 1 (Non-Protein Coding); 2-Phospho-D-Glycerate Hydro-Lyase; Plasminogen-Binding Protein; ENO1 Intronic Transcript 1; Phosphopyruvate Hydratase; Enolase 1, (Alpha); Non-Neural Enolase; EC 4.2.1.11; ENO1-IT1; NNE; Epididymis Secretory Protein Li 17; C-Myc Promoter-Binding Protein-1; MYC Promoter-Binding Protein 1; C-Myc Promoter-Binding Protein; Alpha Enolase Like 1; Tau-Crystallin; Enolase-Alpha; HEL-S-17; EC 4.2.1; MBPB1; MPB-1
Immunogen	A synthesized peptide derived from human ENO1

Additional Information

Gene ID	2023
Other Names	Alpha-enolase, 4.2.1.11, 2-phospho-D-glycerate hydro-lyase, C-myc promoter-binding protein, Enolase 1, MBP-1, MPB-1, Non-neural enolase, NNE, Phosphopyruvate hydratase, Plasminogen-binding protein, ENO1, ENO1L1, MBPB1, MPB1

Protein Information

Name	ENO1 (HGNC:3350)
Synonyms	ENO1L1, MBPB1, MPB1
Function	Enolase that catalyzes the conversion of 2-phosphoglycerate to phosphoenolpyruvate in glycolysis and the reverse reaction in gluconeogenesis (PubMed:1369209, PubMed:29775581). Also involved in various processes such as growth control, hypoxia tolerance and allergic responses (PubMed:10802057, PubMed:12666133, PubMed:2005901, PubMed:29775581). 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 (PubMed:12666133). Stimulates immunoglobulin production

(PubMed:1369209).

Cellular Location	Cytoplasm. Cell membrane. Cytoplasm, myofibril, sarcomere, M line. Note=Can translocate to the plasma membrane in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma) form. ENO1 is localized to the M line
Tissue Location	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

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