ARG55749
anti-Enolase 1 antibody [786CT6.6.4]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Enolase 1
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	786CT6.6.4
Isotype	IgG, kappa
Target Name	Enolase 1
Species	Human
Immunogen	Purified His-tagged Human Enolase1 protein
Conjugation	Un-conjugated
Alternate Names	MPB1; Plasminogen-binding protein; Alpha-enolase; MBP-1; NNE; PPH; Enolase 1; ENO1L1; Phosphopyruvate hydratase; 2-phospho-D-glycerate hydro-lyase; C-myc promoter-binding protein; Non-neural enolase; MPB-1; EC 4.2.1.11

Application Instructions

Application table

Application	Dilution
IHC-P	1:25
WB	1:1000

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

Positive Control: NIH/3T3

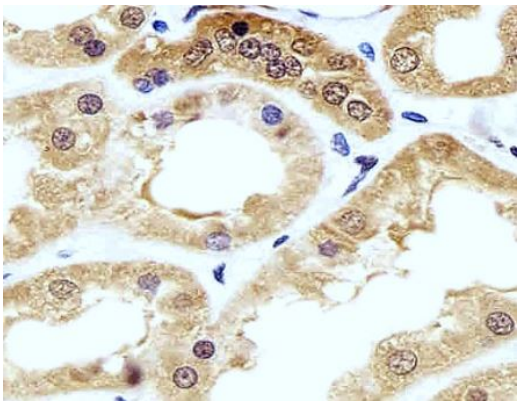
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
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 or below. 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

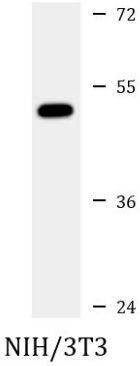
Database links	GeneID: 13806 Mouse GeneID: 2023 Human Swiss-port # P06733 Human Swiss-port # P17182 Mouse
Gene Symbol	ENO1
Gene Full Name	enolase 1, (alpha)
Background	This gene encodes alpha-enolase, one of three enolase isoenzymes found in mammals. Each isoenzyme is a homodimer composed of 2 alpha, 2 gamma, or 2 beta subunits, and functions as a glycolytic enzyme. Alpha-enolase in addition, functions as a structural lens protein (tau-crystallin) in the monomeric form. Alternative splicing of this gene results in a shorter isoform that has been shown to bind to the c-myc promoter and function as a tumor suppressor. Several pseudogenes have been identified, including one on the long arm of chromosome 1. Alpha-enolase has also been identified as an autoantigen in Hashimoto encephalopathy. [provided by RefSeq, Jan 2011]
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. MBP1 binds to the myc promoter and acts as a transcriptional repressor. May be a tumor suppressor. [UniProt]
Calculated Mw	47 kDa
PTM	ISGylated.
Cellular Localization	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

Images



ARG55749 anti-Enolase 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kideny tissue stained with ARG55749 anti-Enolase 1 antibody at 1:25 dilution.



ARG55749 anti-Enolase 1 antibody WB image

Western blot: 35 µg of NIH/3T3 cell lysate stained with ARG55749 anti-Enolase 1 antibody.