

ARG57125 anti-NSE / Neuron Specific Enolase antibody [17D10]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [17D10] recognizes NSE / Neuron Specific Enolase
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	17D10
Isotype	IgG2b, kappa
Target Name	NSE / Neuron Specific Enolase
Species	Human
Immunogen	Recombinant fragment around aa. 1-434 of Human NSE
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
	ICC/IF	Assay-dependent
	WB	1:500 - 1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

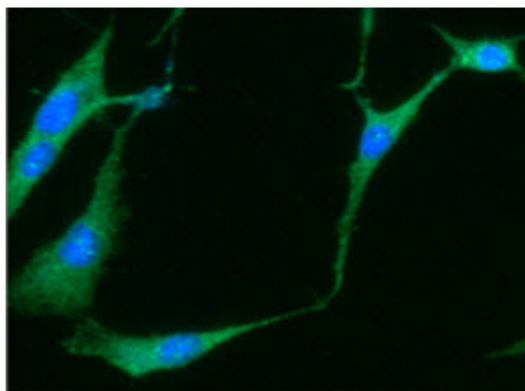
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
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

Database links	GeneID: 2026 Human Swiss-port # P09104 Human
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

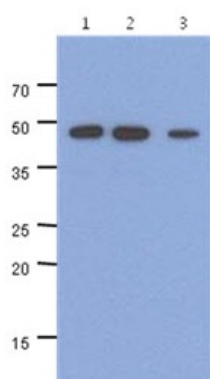
Images



ARG57125 anti-NSE / Neuron Specific Enolase antibody [17D10]
ICC/IF image

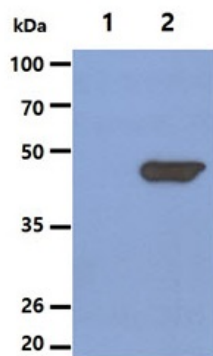
Immunofluorescence: U87MG cells line stained with ARG57125 anti-NSE / Neuron Specific Enolase antibody [17D10] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



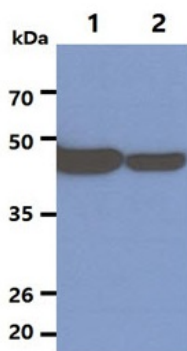
ARG57125 anti-NSE / Neuron Specific Enolase antibody [17D10] WB
image

Western blot: 40 µg of Mouse brain lysate stained with ARG57125 anti-NSE / Neuron Specific Enolase antibody [17D10] at 1) 1:500, 2) 1:1000, and 3) 1:5000.



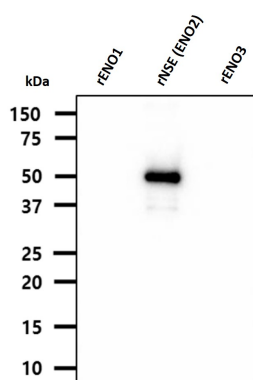
ARG57125 anti-NSE / Neuron Specific Enolase antibody [17D10] WB image

Western blot: 5 µg of 1) 293T, and 2) NSE transfected 293T cell lysate stained with ARG57125 anti-NSE / Neuron Specific Enolase antibody [17D10] at 1:1000.



ARG57125 anti-NSE / Neuron Specific Enolase antibody [17D10] WB image

Western blot: 20 µg of 1) U87 MG, and 2) Jurkat cell lysates stained with ARG57125 anti-NSE / Neuron Specific Enolase antibody [17D10] at 1:1000.



ARG57125 anti-NSE / Neuron Specific Enolase antibody [17D10] WB image

Western blot: 50 ng of 1) ENO1, 2) ENO2, and 3) ENO3 recombinant proteins stained with ARG57125 anti-NSE / Neuron Specific Enolase antibody [17D10] at 1:1000.