

ARG43621
anti-NSE / Neuron Specific Enolase antibodyPackage: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NSE / Neuron Specific Enolase
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NSE / Neuron Specific Enolase
Species	Human
Immunogen	Synthetic peptide within a.a. 50-150 of Human NSE / Neuron Specific Enolase.
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
	FACS	1 - 3 µg / 1X10 ⁶ cells
	ICC/IF	1:50 - 1:100
	IHC-P	1:250 - 1:1000
	WB	1:500 - 1:2500
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 48 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

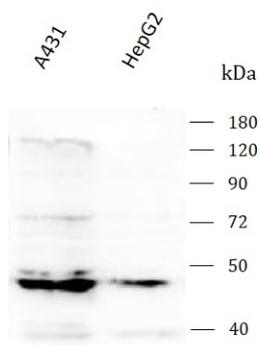
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

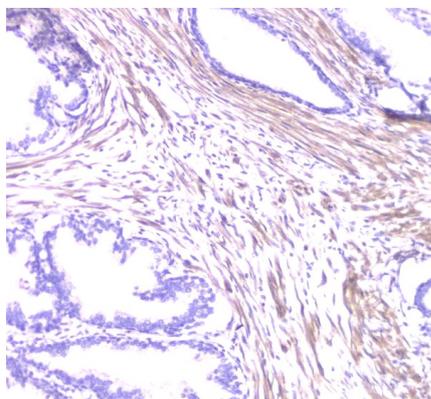
Gene Symbol	ENO2
Gene Full Name	enolase 2 (gamma, neuronal)
Background	This gene encodes one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in mature neurons and cells of neuronal origin. A switch from alpha enolase to gamma enolase occurs in neural tissue during 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
PTM	Acetylation; Hydroxylation; Isopeptide bond; Phosphoprotein; Ubl conjugation
Cellular Localization	Cytoplasm. Cell membrane. Note=Can translocate to the plasma membrane in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma) form. [UniProt]

Images

ARG43621 anti-NSE / Neuron Specific Enolase antibody WB image

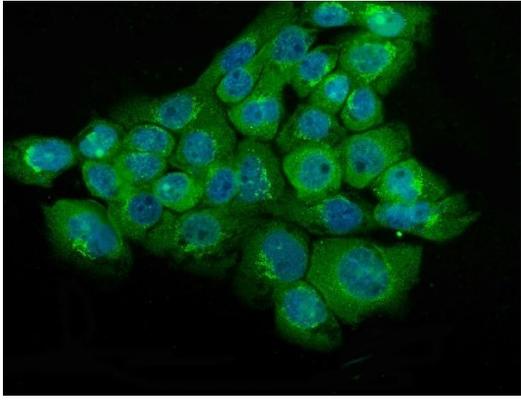


Western blot: A431 and HepG2 stained with ARG43621 anti-NSE / Neuron Specific Enolase antibody at 0.5 µg/mL dilution.



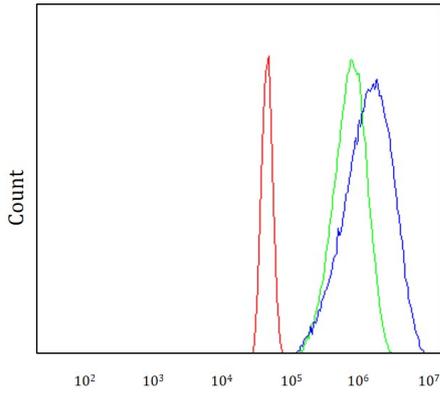
ARG43621 anti-NSE / Neuron Specific Enolase antibody IHC-P image

Immunohistochemistry: Human pancreatic cancer stained with ARG43621 anti-NSE / Neuron Specific Enolase antibody at 1 µg/ml dilution.



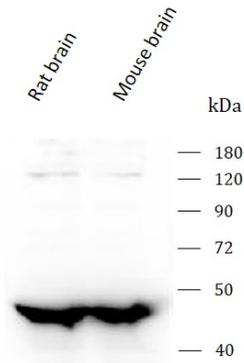
ARG43621 anti-NSE / Neuron Specific Enolase antibody ICC/IF image

Immunofluorescence: A431 stained with ARG43621 anti-NSE / Neuron Specific Enolase antibody at 5 $\mu\text{g}/\text{ml}$ dilution.



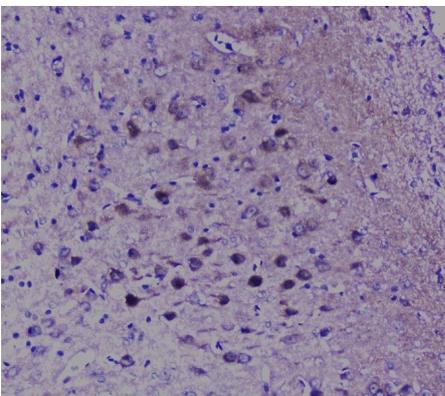
ARG43621 anti-NSE / Neuron Specific Enolase antibody FACS image

Flow Cytometry: A431 stained with ARG43621 anti-NSE / Neuron Specific Enolase antibody at 1 μg / 10^6 cells dilution.



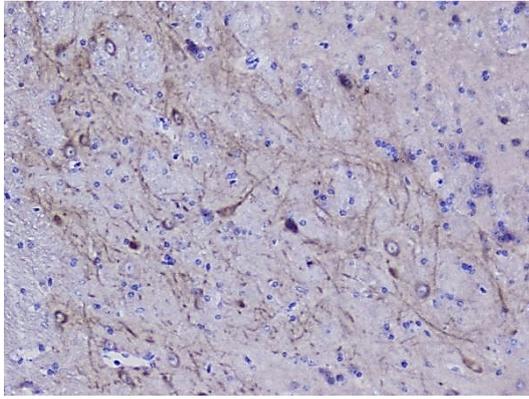
ARG43621 anti-NSE / Neuron Specific Enolase antibody WB image

Western blot: Rat brain and Mouse brain stained with ARG43621 anti-NSE / Neuron Specific Enolase antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.



ARG43621 anti-NSE / Neuron Specific Enolase antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG43621 anti-NSE / Neuron Specific Enolase antibody at 1 $\mu\text{g}/\text{ml}$ dilution.



ARG43621 anti-NSE / Neuron Specific Enolase antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG43621 anti-NSE / Neuron Specific Enolase antibody at 1 µg/ml dilution.