

32-5967: Mouse Anti Human Neuronal Specific Enolase(Clone:AT17D10)

Clonality :	Monoclonal
Clone Name :	AT17D10
Application :	ELISA,WB
Gene :	ENO2
Gene ID :	2026
Uniprot ID :	P09104
Format :	Purified
Alternative Name :	Gamma-enolase,EC 4.2.1.11,2-phospho-D-glycerate hydro-lyase,Neural enolase,Neuron-specific enolase,NSE,Enolase 2,ENO2.
Isotype :	Mouse IgG2b heavy chain and Kappa light chain.
Immunogen Information :	Anti-human ENO2 mAb, clone PAT17D10A, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human ENO2 protein 1-434 amino acids purified from E. coli.

Description

Neuron-specific enolase also called NSE is a glycolytic isoenzyme which is situated in central and peripheral neurons and neuroendocrine cells. Enolase-2 is released into the CSF when neural tissue is injured. Neoplasms derived from neural or neuroendocrine tissue release Enolase-2 into the blood. Enolase-2 is a useful substance that has been detected in patients with certain tumors, such as neuroblastoma, small cell lung cancer, medullary thyroid cancer, carcinoid tumors, pancreatic endocrine tumors, and melanoma. ENO2 is 1 of the 3 enolase isoenzymes found in mammals. ENO2 isoenzyme, is found in mature neurons and cells of neuronal origin. An exchange from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates.

Product Info

Amount :	20 µg
Purification :	ENO2 antibody was purified from mouse ascitic fluids by protein-A affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, 10% Glycerol and 0.02% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 1:5000. Recommended starting dilution is 1:1000.