

NSE Rabbit Monoclonal Antibody

Catalog #: EAB22620

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Monoclonal	WB, IHC-P, IF/ICC, FC	47	Human, Mouse, Rat, Zebrafish

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB (Western Blotting)	1:500-2000
IHC-P (Immunohistochemistry-Paraffin)	1:50-200
IF/ICC (Immunofluorescence/Immunocytochemistry)	1:50-200
FC (Flow Cytometry)	1:10-100

Product Information

Conjugate	Unconjugate
Specificity	NSE Rabbit Monoclonal Antibody detects endogenous levels of NSE protein.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
Shipping	Gel Pack
Storage	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks
UniProt ID	P09104
Entrez-Gene ID	2026

Product Description

NSE have been characterized as highly conserved cytoplasmic glycolytic enzymes that may be involved in differentiation. Three isoenzymes have been identified: α enolase, β enolase and γ enolase. α enolase expression has been detected on most tissues, whereas β enolase is expressed predominantly in muscle tissue and γ enolase is detected only in nervous tissue. These isoforms exist as both homodimers and heterodimers, and they play a role in converting phosphoglyceric acid to phosphoenolpyruvic acid in the glycolytic pathway. The 433 amino acid protein shows 67% homology to yeast enolase and 94% homology to rat nonneural enolase. Studies also indicate that α enolase is encoded by the same gene that encodes tau-crystallin, a lens structural protein.

For Reserch Use Only. Not For Use In Diagnostic Procedures