

## Product datasheet for **AP12427PU-N**

### NSE (ENO2) Rabbit Polyclonal Antibody

#### Product data:

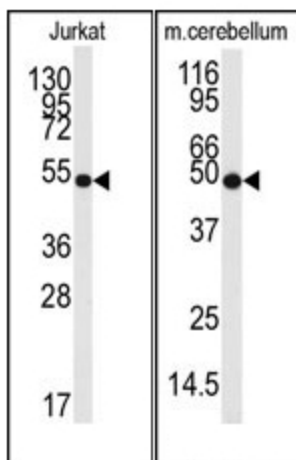
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western Blot: 1/50-1/100. Immunohistochemistry: 1/50-1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide corresponding to amino acid residues surrounding Y25 of human NSE.
Specificity:	This antibody detects Neuron Specific Enolase/NSE.
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein A Chromatography, followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	enolase 2
Database Link:	<a href="#">Entrez Gene 2026 Human P09104</a>
Background:	NSE is 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.
Synonyms:	NSE, ENO2, Enolase 2, Neural enolase, Gamma-enolase



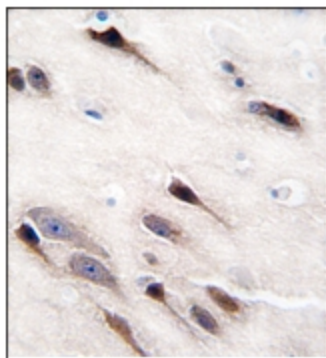
[View online »](#)

Note: **Molecular weight:** 47138 Da

### Product images:



(LEFT) Western blot analysis of anti-NSE Antibody (Y25) in Jurkat cell line lysates (35ug/lane). NSE (arrow) was detected using the purified Pab. (RIGHT) Western blot analysis of anti-NSE Antibody (Y25) in mouse cerebellum tissue lysates (35ug/lane). NSE (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with Phospho-NSE-Y25, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.