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Product datasheet for UM800177CF

NSE (ENO2) Mouse Monoclonal Antibody [Clone ID: UMAB287]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB287
Applications:	IHC, WB
Recommended Dilution:	WB 1:1000, IHC 1:15000
Reactivity:	Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 188-293 of human NSE (NP_001966) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Predicted Protein Size:	47.3 kDa
Gene Name:	enolase 2
Database Link:	NP_001966 Entrez Gene 13807 MouseEntrez Gene 24334 Rat P09104
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]
Synonyms:	HEL-S-279; NSE

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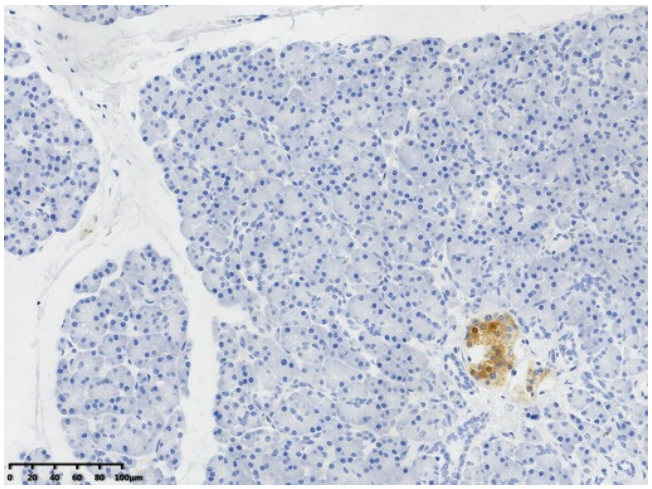
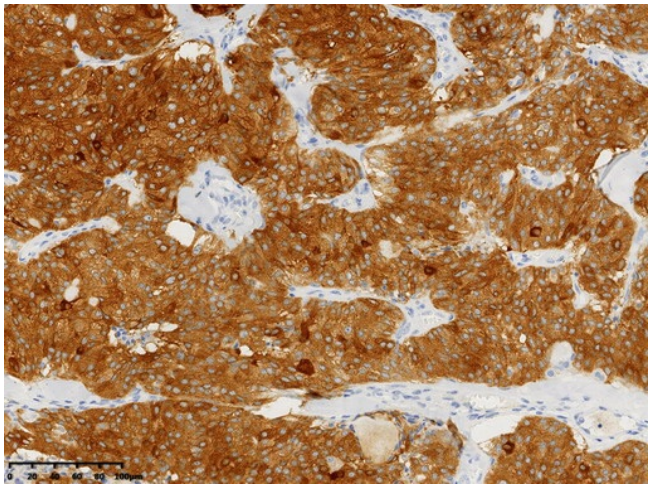
Protein Pathways: Glycolysis / Gluconeogenesis, Metabolic pathways, RNA degradation

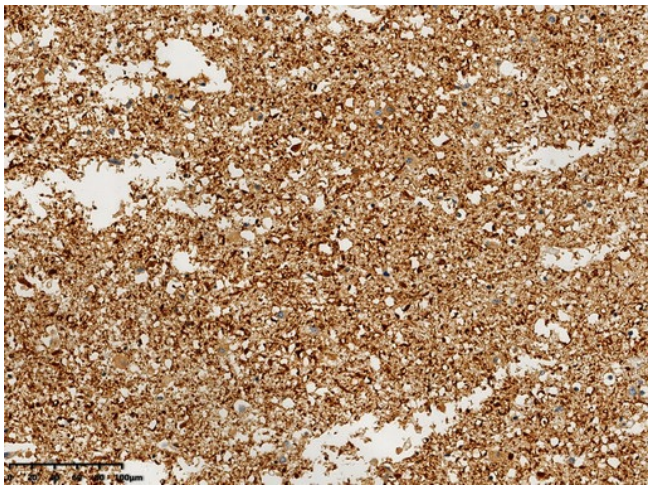
Product images:



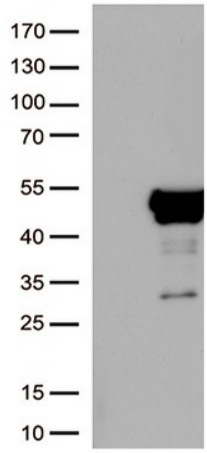
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-NSE (ENO2) mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min, [UM800177]) (1:15000)



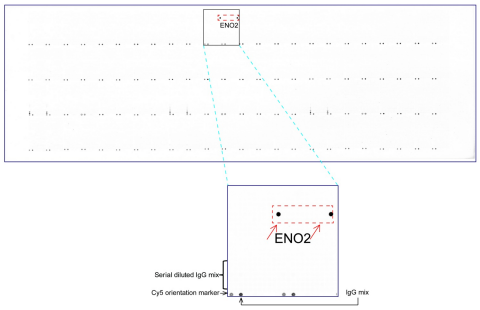
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-NSE (ENO2) mouse monoclonal antibody.(Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min, [UM800177]) (1:15000)



Immunohistochemical staining of paraffin-embedded Human adult brain tissue within the normal limits using anti-NSE (ENO2) mouse monoclonal antibody.(Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120 oC for 3 min, [UM800177]) (1:15000)



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY NSE (ENO2) (Cat# [RC201085], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NSE(ENO2) antibody (Cat# [UM800177]) (1:1000).



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-NSE (ENO2) mouse monoclonal antibody ([UM800177]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification. (1:100)