

**Mouse Anti-Neuron Specific Enolase (NSE/ENO2) [5E2]: MC0558, MC558RTU7**

**Intended Use:** For Research Use Only

**Description:** NSE is specifically detected in neurons and neuroendocrine cells, and their corresponding tumors. Anti-NSE antibody is a useful marker for identification of peripheral nerves, neural and neuroendocrine tumors, such as neuroblastomas, retinoblastomas, desmoplastic melanoma, and small cell lung carcinoma when used with a panel of antibodies (e.g. keratin, chromogranin A, synaptophysin, and neurofilaments).

**Specifications**

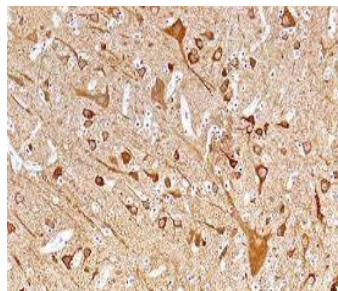
Clone:	5E2
Source:	Mouse
Isotype:	IgG2a
Reactivity:	Human
Immunogen:	Purified human Neuron specific Enolase
Localization:	Cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN <sub>3</sub> )
Storage:	Store at 2°- 8°C
Applications:	IHC, WB
Package:	

Description	Catalog No.	Size
Neuron Specific Enolase (NSE/ENO2) Concentrated	MC0558	1 ml
Neuron Specific Enolase (NSE/ENO2) Prediluted	MC0558RTU7	7 ml

**IHC Procedure\***

Positive Control Tissue:	Neuroendocrine tumor
Concentrated Dilution:	50-200
Pretreatment:	EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human brain stained with anti-NSE using DAB

**References:**

1. Antigenic phenotype of lung carcinomas: usual spectrum of distribution of thyroid transcription factor-1, cytokeratin 7, cytokeratin 20, and neuron specific enolase--basic immunohistochemical study of 21 cases. Kostovski M, et al. Pril (Makedon Akad Nauk Umet Odd Med Nauki). 35(1):199-207, 2014.
2. Increased neuron specific enolase expression by urothelial cells exposed to or malignantly transformed by exposure to Cd<sup>2+</sup> or As<sup>3+</sup>. Soh M, et al. Toxicol Lett. Jul 7;212(1):66-74, 2012.
3. Chemiluminescence enzyme immunoassay using magnetic nanoparticles for detection of neuron specific enolase in human serum. Fu X, et al. Anal Chim Acta. Apr 13;722:114-8, 2012.
4. Predictive and prognostic significance of neuron-specific enolase (NSE) in non-small cell lung cancer. Tiseo M, et al. Anticancer Res. Jan-Feb;28(1B):507-13, 2008.

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Rev. B