

Neuron Specific Enolase (NSE) (Polyclonal)


Rabbit anti-human Neuron Specific Enolase (NSE) Polyclonal Antibody

REFERENCES AND PRESENTATIONS¹

- **ready-to-use (manual or LabVision AutoStainer)**
MAD-000712QD-3
MAD-000712QD-7
MAD-000712QD-12
- **Ready-to-use (MD-Stainer)²**
MAD-000712QD-3/V
MAD-000712QD/V
- **concentrated**
MAD-000712Q - 1:50 recommended dilution

COMPOSITION

Anti-human NSE rabbit polyclonal antibody purified from serum and prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide

INTENDED USE : Immunohistochemistry (IHC) on paraffin embedded tissues. Not tested on frozen tissues or Western-Blotting

CLONE: Polyclonal

Ig ISOTYPE: Rabbit IgG

IMMUNOGEN: Synthetic peptide derived from C-terminus of human NSE.

SPECIES REACTIVITY: In vitro diagnostics in humans. Not tested in other species

DESCRIPTION AND APPLICATIONS: Enolase is a glycolytic enzyme catalyzing the reaction pathway between 2-phospho-glycerate and phosphoenol pyruvate. In mammals, enolase molecules are dimers composed of three distinct subunits (α , β and γ). The alpha-subunit is expressed in most tissues and the beta-subunit only in muscle. The gamma-subunit is expressed primarily in neurons, in normal and in neoplastic neuroendocrine cells. Co-expression of NSE and chromogranin A is common in neuroendocrine neoplasms.

IHC POSITIVE CONTROL: Pancreas, neuroendocrine tumours



VISUALIZATION: Cell cytoplasm

¹ These references are for presentation in vials of Low Density Polyethylene (LDPE) dropper. In case the products are used in automated stainers, a special reference is assigned as follows:
- / L: Cylindrical screw-cap vials (QD-3 / L, QD-7 / L, QD-12 / L).
- / N: Polygonal screw-cap vials (QD-3 / N, QD-7 / N, QD-12 / N).
For different presentations (references / volumes) please contact the supplier.

² For Technical specifications for MD-Stainer, please contact your distributor.

IHC RECOMMENDED PROCEDURE:

- 4 μ m thick section should be taken on charged slides; dry overnight at 60°C
- Deparaffinise, rehydrate and HIER (heat induced epitope retrieval) – boil tissue in the Pt Module using Vitro S.A EDTA buffer pH8³ for 20 min at 95°C. Upon completion rinse with 3-5 changes of distilled or deionised water followed by cooling at RT for 20 min
- Endogenous peroxidase block - Blocking for 10 minutes at room temperature using peroxidase solution (ref. MAD-021540Q-125)
- Primary antibody: incubate for 10 minutes [The antibody dilution (when concentrated) and protocol may vary depending on the specimen preparation and specific application. Optimal conditions should be determined by the individual laboratory]
- For detection use Master Polymer Plus Detection System (HRP) (DAB included; ref. MAD-000237QK)
- Counterstaining with haematoxylin and final mounting of the slide

STORAGE AND STABILITY:  Stored at 2-8°C. Do not freeze.  Once the packaging has been opened it can be stored until the expiration date of the reagent indicated on the label. If the reagent has been stored under other conditions to those indicated in this document, the user must first check its correct performance taking into account the product warranty is no longer valid.

WARNINGS AND PRECAUTIONS:

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.

SAFETY RECOMMENDATIONS

This product is intended for laboratory professional use only. The product is NOT intended to be used as a drug or for domestic purposes. The current version of the Safety Data Sheet for this product can be downloaded by searching the reference number at www.vitro.bio or can be requested at regulatory@vitro.bio.

³ Ref: MAD-004072R/D












BIBLIOGRAPHY

1. Fantini F, Johansson O. Neurochemical markers in human cutaneous Merkel cells. An immunohistochemical investigation. *Experimental Dermatology*. 4(6):365-71 (1995).
2. Fukunaga M, Shinozaki N. Immunohistochemical and flow cytometric study of neuroendocrine carcinoma of the skin. *Pathology International*. 45(7):513-9 (1995).
3. Blumenfeld W, Chandhoke DK, Sagerman P, Turi GK. Neuroendocrine differentiation in gastric adenocarcinomas. An immunohistochemical study. *Archives of Pathology and Laboratory Medicine*. 120(5):478-81 (1996).

LABEL AND BOX SYMBOLS

Explanation of the symbols of the product label and box:

	Expiration date
	Temperature limit
	Manufacturer
	Sufficient content for <n> assays
	Catalog number
	Lot code
	Refer to the instructions of use
	Medical product for <i>in vitro</i> diagnosis.
	Material safety data sheet