

IMMUNOHISTOCHEMISTRY, NEURON SPECIFIC ENOLASE (NSE)

IHC MARKER	RESULT
NEURON SPECIFIC ENOLASE (NSE)	

SLIDE NO:

SPECIMEN:

CLINICAL HISTORY:

GROSS:

IMPRESSION:

ADVISED:

INTERPRETATION

RESULT	SCORE
Non immunoreactive	0
Immunoreactive in 1-25% cells	1+
Immunoreactive in 26-50% cells	2+
Immunoreactive in 51-75% cells	3+
Immunoreactive in 76-100% cells	4+

COMMENTS

Neuron specific enolase (NSE) exists in two isomeric forms namely gamma-gamma and alpha gamma isoenzymes and is found in neurons and neuroendocrine cells, hence they are called Neuron Specific Enolases. Positivity is found in majority of Neuroectodermal and Neuroendocrine neoplasms including Carcinoid and Malignant Melanoma. The beta subunit of enolase is used as a marker for striated muscle, but is not specific for it.

NOTE:

1. Detection system used is Polymer HRP
2. The impression is based on the material submitted and is not a complete surgical pathology report.
3. False negative IHC results due to inadequate fixation of the material sent for evaluation cannot be excluded.

FIXATION REQUIREMENTS

- A. The volume of formalin fixative should be atleast 10 times the volume of the specimen.
- B. Decalcification solutions with strong acids should not be used.
- C. Specimens should be immersed in fixative within 1 hour of the biopsy / resection procedure (time of removal & time of immersion to be mentioned)
- D. In all resection (large) specimens, the tumour must be bisected prior to immersion in fixative.