

## IMMUNOHISTOCHEMISTRY, pS2

IHC MARKER	RESULT
pS2	

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

**pS2:** Also known as pNR 2 is present in gastric mucosa, small intestinal mucosa & normal breast epithelium. pS2 is estrogen regulated in breast cancer cell lines and may have some growth factor activity. In malignant epithelial tumours, pS2 have been detected in gastric carcinomas and gynecological cancers. pS2 mRNA protein is expressed predominantly in estrogen receptor positive breast cancer with high levels of protein being predictive of a favorable prognosis. Expression of pS2 is also an indicator of a good response to endocrine therapy in advanced cases of breast cancer.

## 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 at least 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.