

pS2. Mouse Monoclonal Antibody pS2.1 , Human

BACKGROUND

It recognizes a polypeptide of 6.5kDa which is identified as pS2 estrogen-regulated protein. Several studies have shown that pS2 is primarily expressed in estrogen receptor-positive breast tumors and it may define a subset of estrogen-dependent tumors that displays an increased likelihood of response to endocrine therapy.

ORDERING INFORMATION

CATALOG NUMBER
X1440M

SIZE
100 µg

FORM
Unconjugated

HOST/CLONE
Mouse Clone pS2.1

FORMULATION
Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION
1 mg/ml

ISOTYPE
IgG1

APPLICATIONS
Immunohistochemistry (Paraffin & Frozen Sections)

IMMUNOGEN

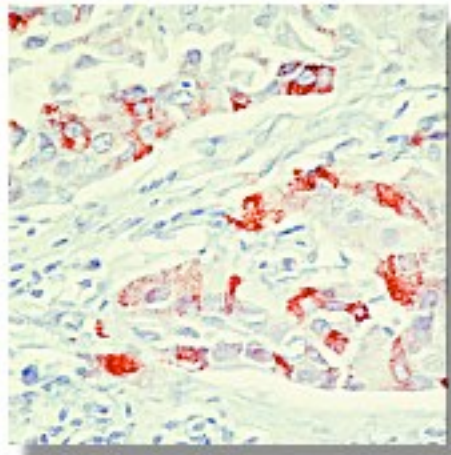
Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with synthetic peptide of 31 amino acids from the C-terminus of human pS2 protein and mouse myeloma p3-NS1-Ag4-1 cells.

SPECIES REACTIVITY

Human

Legend:

Immunohistochemical staining using pS2 Estrogen-Regulated Protein antibody on formalin fixed, paraffin embedded human breast carcinoma.



For research use only. Not for use in human diagnostics or therapeutics.

POSITIVE CONTROL/TISSUE EXPRESSION

Breast carcinomas

COMMENTS

This antibody can be used for immunohistochemistry on frozen and formalin/paraffin embedded tissues (2-4 µg/ml). Optimal concentration should be evaluated by serial dilutions.

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Masaiakowski P, et al. Cloning of cDNA sequences of hormone-regulated genes from the MCF-7 human breast cancer cell line. *Nucleic Acids Res* 10:7895-7903, 1982.
2. Jeltsh JM, et al. Structure of human oestrogen-responsive gene pS2. *Nucleic Acids F* 15:1401-1414, 1987.
3. Mori K, et al. Complete primary structure of the oestrogen-responsive gene (pS2) product. *J Biochem* 107:73-76, 1990
4. Rio MC, et al. Breast cancer-associated pS2 protein: synthesis and secretion by normal stomach mucosa. *Science* 241:705-708, 1988.
5. Rio MC, et al. Specific expression of the pS2 gene in subclasses of breast cancers in comparison with expression of the estrogen and progesterone receptors and the oncogene ERB B2, *Proc Natl Acad Sci USA* 84:9243-9247, 1987.
6. Molina R, et al. Estrogen-inducible pS2 protein: Tumor characteristics and clinical behavior in breast cancer. *Proc Endocrine Soc* 61(#148), 1990.
7. Abbondanzo SL, et al. Prognostic significance of immuno-cytochemically determined pS2 in axillary node-negative breast carcinoma. *Breast Cancer Res Treat* 16:182, 1990.

LAST MODIFIED 3/24/2008

For research use only. Not for use in human diagnostics or therapeutics.