

Mouse pS2 / pNR-2 / Trefoil Factor 1 Monoclonal Antibody | anti-TFF1 antibody

pS2 / pNR-2 / Trefoil Factor 1 (Estrogen-Regulated Protein) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62549	Mouse	Human, Cynomolgus Monkey.Others not known	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

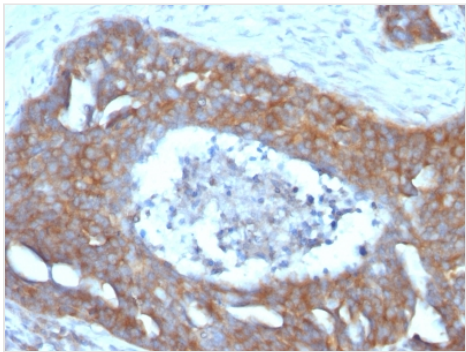
PRODUCT SYNONYMS

pS2 / pNR-2 / Trefoil Factor 1; Monoclonal Antibody; pS2 / pNR-2 / Trefoil Factor 1 (Estrogen-Regulated Protein) Mouse Monoclonal Antibody; BCEI; Breast Cancer Estrogen Inducible Protein; Gastrointestinal Trefoil Protein; Gastrointestinal trefoil protein pS2; HP1A; HPS2; pNR2; TFF1; Trefoil Factor 1; anti-TFF1 antibody

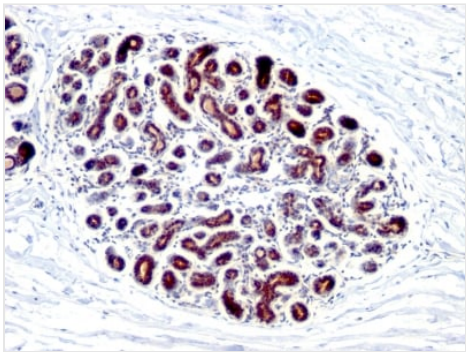
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Cynomolgus Monkey. Others not known
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	GE2; same as R47/94
Specificity	It recognizes a polypeptide of 6.5kDa, identified as pS2 estrogen-regulated protein. Its epitope is localized between aa57-84 of human pS2 protein. pS2 is a trefoil peptide. Trefoil peptides are protease resistant molecules secreted throughout the gut that play a role in mucosal healing. These peptides contain three intra-chain disulfide bonds, forming the trefoil motif, or P-domain. pS2 is known to form dimers and this dimerization is thought to play a role in its protective and healing properties. About 60% of breast carcinomas are positive for pS2. Staining is cytoplasmic, often with localization to the Golgi apparatus. pS2 is shown to be localized in normal stomach mucosa, gastric fluid, goblet cells in the colon and small intestine, and in ulcerations of the gastrointestinal tract. 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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	84
Applicable Applications for anti-TFF1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic
Immunogen	Synthetic peptide of 28 amino acid residues corresponding to CFDDTVRGVPWCFYPNTIDVPPEEECEF (aa57-84) from the C-terminus of human pS2.
Hu-Chromosome Location	16p11.2
Positive Control	Breast or Ovarian carcinoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with pS2 Monoclonal Antibody (GE2).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with pS2 Monoclonal Antibody (GE2).

ADDITIONAL INFORMATION

References	Williams R, et. al. Human Pathology, 1996, 27(12):1259-66
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507451
NCBI GeneID	7031
NCBI Accession #	NP_003216.1
NCBI GenBank Nucleotide #	NM_003225.2
UniProt Accession #	P04155
Molecular Weight	6.5kDa
NCBI Official Full Name	trefoil factor 1
NCBI Official Synonym Full Names	trefoil factor 1
NCBI Official Symbol	TFF1
NCBI Official Synonym Symbols	pS2; BCEI; HPS2; HP1.A; pNR-2; D21S21
NCBI Protein Information	trefoil factor 1
UniProt Protein Name	Trefoil factor 1
UniProt Gene Name	TFF1
UniProt Synonym Gene Names	BCEI; PS2; hP1.A
UniProt Entry Name	TFF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/ps2-pnr-2-trefoil-factor-1-antibody-clone-ge2-same-as-r47-94-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62549>