

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

36-3233: Anti-pS2 / pNR-2 / TFF1 (Estrogen-Regulated Protein) Monoclonal Antibody(Clone: TFF1/2969R)

Clonality: Monoclonal Clone Name: TFF1/2969R

Application: IHC
Reactivity: Human
Gene: TFF1
Gene ID: 7031
Uniprot ID: P04155

Alternative Name:

BCEI, Breast Cancer Estrogen Inducible Protein, Gastrointestinal Trefoil Protein,

Gastrointestinal trefoil protein pS2, HP1A, HPS2, pNR2, TFF1, Trefoil Factor 1

Isotype: Rabbit IgG

Immunogen Information: Synthetic peptide of 28 amino acid residues corresponding to

* CFDDTVRGVPWCFYPNTIDVPPEEECEF (aa57-84) from the C-terminus of human pS2.

Description

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 throµghout 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 thoµght 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.

Product Info

Amount: 20 μg / 100 μg

Content: 200 µg/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.

Storage condition : Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

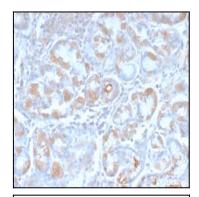


Fig. 1: Formalin-fixed, paraffin-embedded human Stomach Carcinoma stained with pS2 Rabbit Recombinant Monoclonal Antibody (TFF1/2969R).

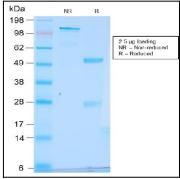


Fig. 2: SDS-PAGE Analysis Purified pS2 Rabbit Recombinant Monoclonal Antibody (TFF1/2969R). Confirmation of Purity and Integrity of Antibody.