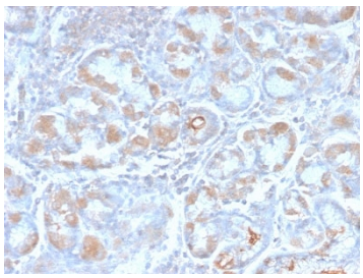
Recombinant pS2 Antibody / TFF1 [clone TFF1/2969R] (V7460)

Catalog No.	Formulation	Size
V7460-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7460-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7460SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7460IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

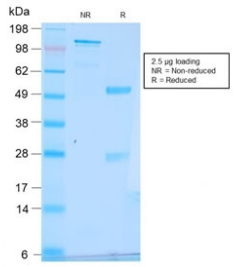
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	TFF1/2969R
Purity	Protein A affinity chromatography
UniProt	P04155
Localization	Cytoplasmic, secreted
Applications	Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This recombinant pS2 antibody is available for research use only.



IHC staining of FFPE human stomach carcinoma with recombinant pS2 antibody (clone TFF1/2969R). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant pS2 antibody (clone TFF1/2969R) as confirmation of integrity and purity.

Description

It recognizes a polypeptide of 6.5kDa, identified as pS2 estrogen-regulated 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. It 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.

Application Notes

The optimal dilution of the recombinant pS2 antibody for each application should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Amino acids CFDDTVRGVPWCFYPNTIDVPPEEECEF were used as the immunogen for this recombinant pS2 antibody.

Storage

Store the recombinant pS2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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