Recombinant pS2 / pNR-2 / TFF1 (Estrogen-Regulated Protein) Antibody

Rabbit Monoclonal Antibody [Clone TFF1/8817R]

Catalog No	Format	Size
7031-RBM15-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7031-RBM15-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7031-RBM15-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

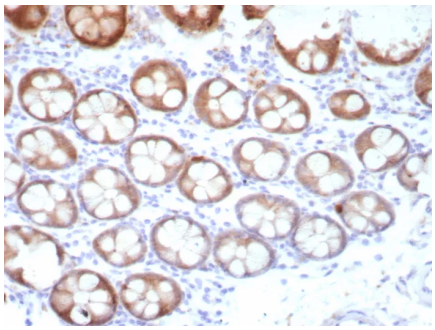
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

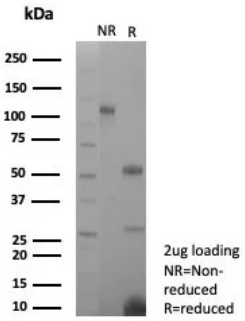
Clone	TFF1/8817R
Gene Name	TFF1
Immunogen	Recombinant fragment (around aa1-84) of human TFF1 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	6.5kDa
Cellular Localization	Cytoplasm.
Species Reactivity	Human
Positive Control	Human breast or ovarian carcinoma.

**Optimal dilution for a specific application should be determined.*

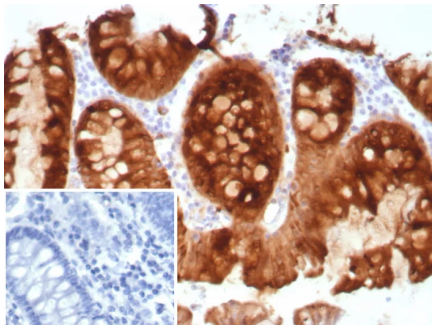
Product Images for Recombinant pS2 / pNR-2 / TFF1 (Estrogen-Regulated Protein) Antibody



Formalin-fixed, paraffin-embedded human colon stained with Transferrin Recombinant Rabbit Monoclonal Antibody (TFF1/8817R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min



SDS-PAGE Analysis of Purified Transferrin Recombinant Rabbit Monoclonal Antibody (TFF1/8817R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human colon stained with Transferrin Recombinant Rabbit Monoclonal Antibody (TFF1/8817R). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

It recognizes a polypeptide of 6.5kDa, identified as pS2 estrogen-regulated protein. Its epitope is located in the c-terminus 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.

Supplied As

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.

Storage and Stability

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. No MSDS required.

Research Areas

Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.