

ARG55980 anti-pS2 / Trefoil factor 1 antibody [GE2]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [GE2] recognizes pS2 / Trefoil factor 1
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	GE2
Isotype	IgG1, kappa
Target Name	pS2 / Trefoil factor 1
Species	Human
Immunogen	Synthetic peptide around aa. 57-84 of Human Estrogen inducible protein pS2 (CFDDTVRGVPWCYPNTIDVPPEEECEF).
Conjugation	Un-conjugated
Alternate Names	D21S21; pNR-2; Trefoil factor 1; PNR-2; BCEI; hP1.A; HPS2; pS2; Polypeptide P1.A; HP1.A; Protein pS2; Breast cancer estrogen-inducible protein

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml

Application Note IHC-P: Antigen Retrieval: Staining of FFPE tissues REQUIRES digestion with Pronase E at 1 mg/ml in PBS for 15 min at 37°C. Heat Induced Epitope Retrieval is not suitable for this antibody.

* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

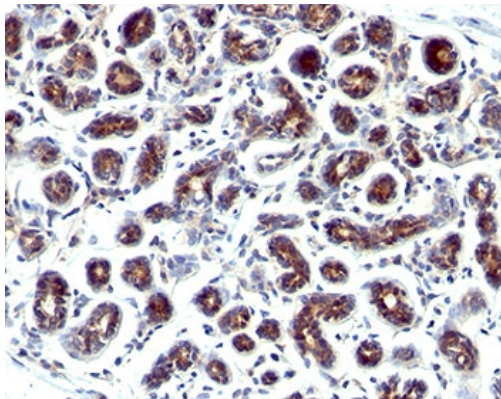
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

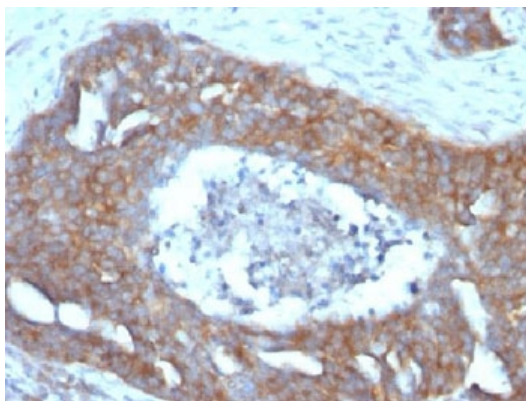
Database links	GeneID: 7031 Human Swiss-port # P04155 Human
Gene Symbol	TFF1
Gene Full Name	trefoil factor 1
Background	Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. They are stable secretory proteins expressed in gastrointestinal mucosa. Their functions are not defined, but they may protect the mucosa from insults, stabilize the mucus layer, and affect healing of the epithelium. This gene, which is expressed in the gastric mucosa, has also been studied because of its expression in human tumors. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21. [provided by RefSeq, Jul 2008]
Function	Stabilizer of the mucous gel overlying the gastrointestinal mucosa that provides a physical barrier against various noxious agents. May inhibit the growth of calcium oxalate crystals in urine. [UniProt]
Calculated Mw	9 kDa
Cellular Localization	Cytoplasmic

Images



ARG55980 anti-pS2 / Trefoil factor 1 antibody [GE2] IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG55980 anti-pS2 / Trefoil factor 1 antibody [GE2].



ARG55980 anti-pS2 / Trefoil factor 1 antibody [GE2] IHC-P image

Immunohistochemistry: Formalin-fixed, paraffin-embedded Human ovarian carcinoma stained with ARG55980 anti-pS2 / Trefoil factor 1 antibody [GE2].