# Product Datasheet

## TFF1/pS2 Antibody (GE2 (same as R47/94)) [Alexa Fluor® 350]

## NBP2-34623AF350

Unit Size: 0.1 ml

Store at 4C in the dark.



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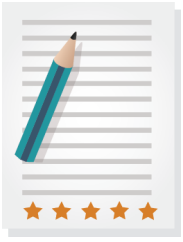

# NBP2-34623AF350

TFF1/pS2 Antibody (GE2 (same as R47/94)) [Alexa Fluor® 350]

| Product Information | |
|---|---|
| **Unit Size** | 0.1 ml |
| **Concentration** | Please see the vial label for concentration. If unlisted please contact technical services. |
| **Storage** | Store at 4C in the dark. |
| **Clonality** | Monoclonal |
| **Clone** | GE2 (same as R47/94) |
| **Preservative** | 0.05% Sodium Azide |
| **Isotype** | IgG1 Kappa |
| **Conjugate** | Alexa Fluor 350 |
| **Purity** | Protein A or G purified |
| **Buffer** | 50mM Sodium Borate |

| Product Description | |
|---|---|
| **Host** | Mouse |
| **Gene ID** | 7031 |
| **Gene Symbol** | TFF1 |
| **Species** | Human, Cynomolgus Monkey |
| **Specificity/Sensitivity** | 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. |
| **Immunogen** | A synthetic peptide (around aa 57-84) of human TFF1/pS2 polypeptide (exact sequence is proprietary) (Uniprot: P04155) |

| | |
|---|---|
| **Notes** | Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet. |

## Product Application Details

| | |
|---|---|
| **Applications** | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |
| **Recommended Dilutions** | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |
| **Application Notes** | Optimal dilution of this antibody should be experimentally determined. |

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## Products Related to NBP2-34623AF350

| | |
|---|---|
| NBP2-35042-5ug | Recombinant Human TFF1/pS2 Protein |
| 236-EG-200 | EGF [Unconjugated] |
| DY5237 | TFF1/pS2 [Biotin] |
| NBP2-13075 | beta Amyloid Antibody (MOAB-2) - BSA Free |

### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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