

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human Tyrosylprotein Sulfotransferase 2/TPST2 in direct ELISAs and Western blots. In direct ELISAs, less than 7% cross-reactivity with recombinant human TPST1 is observed.                                                                                         |
| <b>Source</b>             | Polyclonal Sheep IgG                                                                                                                                                                                                                                                        |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | Chinese hamster ovary cell line CHO-derived recominant human Tyrosylprotein Sulfotransferase 2/TPST2<br>Gln26-Ser377 (predicted)<br>Accession # O60704                                                                                                                      |
| <b>Conjugate</b>          | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 nm                                                                                                                                                                                         |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

#### BACKGROUND

Human Tyrosylprotein Sulfotransferase 2 (TPST2) is a 42 kDa (predicted) member of a sulfotransferase family. Two human tyrosylprotein sulfotransferases (TPSTs), TPST1 and TPST2 mediate tyrosine O-sulfation of more than 60 different proteins in the Golgi, transferring sulfate from 3'-phosphoadenosine 5'-phosphosulfate to tyrosine residues contained in polypeptides with acidic motifs to form a tyrosine O-sulfate ester. TSPT1 and TSPT2 are widely expressed, they show similar tissue distribution and overlapping substrate specificity.

#### PRODUCT SPECIFIC NOTICES

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