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Datasheet for ABIN1698520

## anti-GSTT2 antibody (AA 11-100) (Alexa Fluor 647)

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | GSTT2  |
| Binding Specificity: | AA 11-100  |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This GSTT2 antibody is conjugated to Alexa Fluor 647   |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human GSTT2/Glutathione S Transferase ta 2 |
| Isotype:              | IgG  |
| Predicted Reactivity: | Human,Mouse,Rat  |
| Purification:         | Purified by Protein A.   |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | GSTT2   |
| Alternative Name: | GSTT2 ( <a href="#">GSTT2 Products</a> )  |
| Background:       | Synonyms: Glutathione S Transferase theta 2, EC 2.5.1.18, Glutathione S transferase 12, |

## Target Details

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Glutathione S transferase Yrs Yrs, Glutathione S-transferase theta-2, Glutathione S-transferase theta-2B, GST 12 12, GST class theta 2, GST class-theta-2, GST T2, GSTT 2, GSTT2, GSTT2 protein, GSTT2\_HUMAN, GSTT2B, MGC182032, OTTHUMP00000198491, OTTHUMP00000198492.

Background: Glutathione (GSH) is a tripeptide antioxidant which reduces disulfide bonds between cytoplasmic proteins. The constitutive enzyme glutathione reductase transforms glutathione into its reduced state which ultimately can provide a measure of cellular toxicity. GSTT2 (glutathione S-transferase theta-2), also known as GST class-theta-2, is a 244 amino acid enzyme with sulfatase activity that functions in conjugating reduced glutathione to hydrophobic electrophiles. GSTT2 exists as a homodimer in the cytoplasm and is expressed in low levels in the liver and the lung. GSTT2 belongs to the GST superfamily and contains both a GST C-terminal and a GST N-terminal domain. The gene encoding GSTT2 exists on human chromosome 22.

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Gene ID: 2953

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Pathways: [Myometrial Relaxation and Contraction](#), [Autophagy](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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## Handling

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Expiry Date: 12 months