**bs-13400R** **[ Primary Antibody ]**

# GSTT1 Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 2952 **SWISS:** P30711

**Target:** GSTT1

**Immunogen:** KLH conjugated synthetic peptide derived from human GSTT1/Glutathione S Transferase theta 1: 41-140/240.

**Purification:** affinity purified by Protein A

**Concentration:** 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Glutathione S-transferase (GST) theta 1 (GSTT1) is a member of a superfamily of proteins that catalyze the conjugation of reduced glutathione to a variety of electrophilic and hydrophobic compounds. Human GSTs can be divided into five main classes: alpha, mu, pi, theta, and zeta. The theta class includes GSTT1 and GSTT2. The GSTT1 and GSTT2 share 55% amino acid sequence identity and both of them were claimed to have an important role in human carcinogenesis. The GSTT1 gene is located approximately 50kb away from the GSTT2 gene. The GSTT1 and GSTT2 genes have a similar structure, being composed of five exons with identical exon/intron boundaries. [provided by RefSeq, Jul 2008].

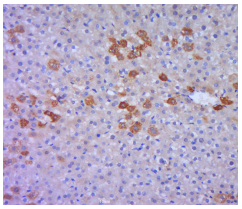
**Applications:** **IHC-P** (1:100-500)
**IHC-F** (1:100-500)
**IF** (1:100-500)

**Reactivity:** Rat (predicted: Human, Mouse, Rabbit, Sheep, Cow, Dog, Horse)

**Predicted MW.:** 27 kDa

**Subcellular Location:** Cytoplasm

## VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (rat liver tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GSTT1) Polyclonal Antibody, Unconjugated (bs-13400R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

## SELECTED CITATIONS


- **[IF=1.718]** Efe Saygın. et al. Glutathione S-transferase expression in benign and malignant eyelid tumors. 2021 Oct 26 IHC ;Human. 34696641
- **[IF=0.4]** Arzu Kaya Kocdogan. et al. INVESTIGATION OF GST AND DRUG RESISTANCE PROTEIN EXPRESSIONS IN RELATION TO CHEMOTHERAPY IN BREAST CANCER. HEALTH PROBL CIVILIZ. 2024 May;18(1): IHC ;Human. 10.5114/hpc.2024.139094