

Product datasheet for TA302504

OriGene Technologies, Inc.

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GST3 (GSTP1) Goat Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: ELISA: 1:32,000. WB: 0.01-0.03µg/ml.

Reactivity: Human (Expected from sequence similarity: Mouse, Rat, Dog, Cow)

Host: Goat Isotype: IgG

Clonality: Polyclonal

Immunogen: Peptide with sequence C-LADQGQSWKEEV, from the internal region of the protein sequence

according to NP_000843.1.

Formulation: Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum

albumin.

Concentration: lot specific

Purification: Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02%

sodium azide, pH7.3 with 0.5% bovine serum albumin.

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 26979 Da

Gene Name: glutathione S-transferase pi 1

Database Link: NP 000843

Entrez Gene 14870 MouseEntrez Gene 24426 RatEntrez Gene 476005 DogEntrez Gene 2950

<u>Human</u> P09211





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Background: Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in

detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role

in susceptibility to cancer, and other diseases. [provided by RefSeq]

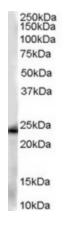
Synonyms: DFN7; FAEES3; GST3; GSTP; HEL-S-22; PI

Protein Families: Druggable Genome

Protein Pathways: Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by

cytochrome P450, Pathways in cancer, Prostate cancer

Product images:



TA302504 (0.01ug/ml) staining of human kidney lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by

chemiluminescence.