

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06802 - Goat Anti-GST3 / GSTP1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** GSTP1, GST3, glutathione S-transferase pi, HGNC:4638, DFN7, FAEES3, PI, deafness, X-linked 7, fatty acid ethyl ester synthase III, glutathione transferase, glutathione S-transferase pi 1

**Official Symbol:** GSTP1

**Accession Number(s):** NP\_000843.1

**Human GeneID(s):** [2950](#)

### Immunogen

Peptide with sequence C-LADQGQSWKEEV, from the internal region of the protein sequence according to NP\_000843.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

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.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 25kDa band observed in Human Kidney, Lung and Thymus lysates, lysates of cell lines HeLa, HEK293, Jurkat, CaCo-2, K562, NIH3T3, KNRK and MDCK, and, in nuclear lysates of cell lines HeLa, HEK293 and Jurkat (calculated MW of 23.4kDa according to Human NP\_000843.1 and Rat NP\_036709.1, 23.6kDa according to Mouse NP\_038569.1 and 23.5kDa according to. Canine NP\_001239096). Recommended concentration: 0.03-0.3µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** Paraffin embedded Human Prostate. Recommended concentration: 5µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the nuclei and cytoplasm of A431 and U2OS cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human, Mouse, Rat, Dog

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow

EB06802 (0.3µg/ml) staining of CaCo-2 (A), K562 (B), (0.03ug/ml) HeLa (C), HEK293 (D), Jurkat (E), NIH3T3 (F), KNRK (G) and MDCK (H) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06802 (0.1µg/ml) staining of HeLa (A) and HEK293 (B), and (0.03ug/ml) Jurkat (C) nuclear cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06802 (0.3µg/ml) staining of Human Thymus (A), Lung (B), Kidney (C), lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06802 (5µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB06802 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB06802 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB06802 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.