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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

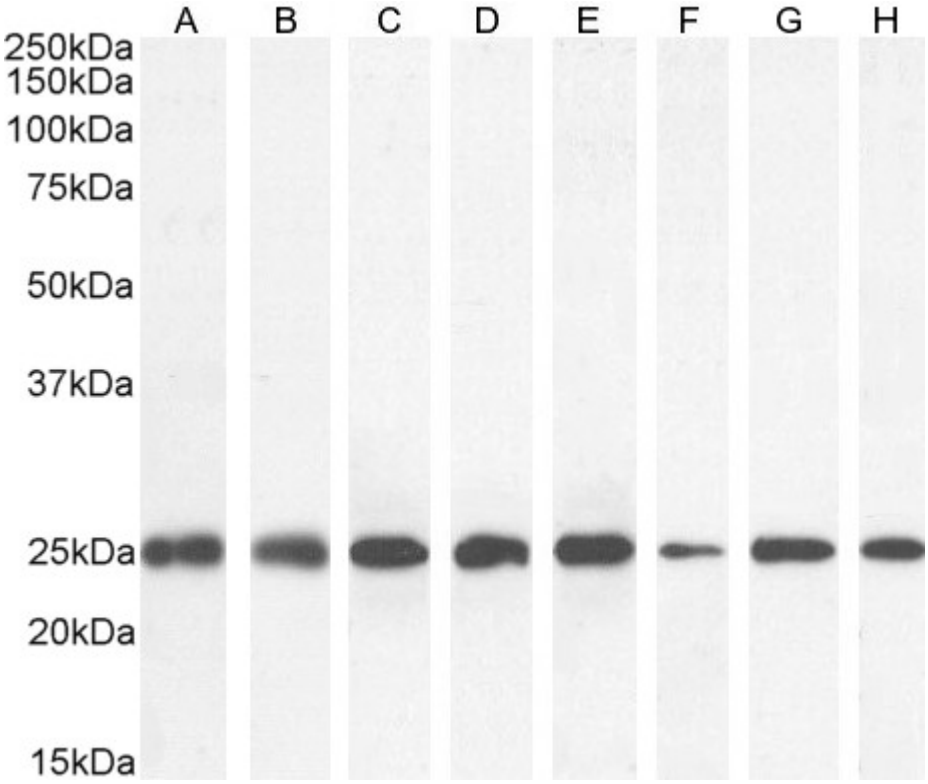
Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Approx 25kDa band observed in Human Kidney, Lung and Thymus lysates, lysates of cell lines HeLa, HEK293, Jurkat, CaCo-2, K562, NIH3T3, KNRK and MDCK, and, in nuclear lysates of cell lines HeLa, HEK293 and Jurkat (calculated MW of 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.

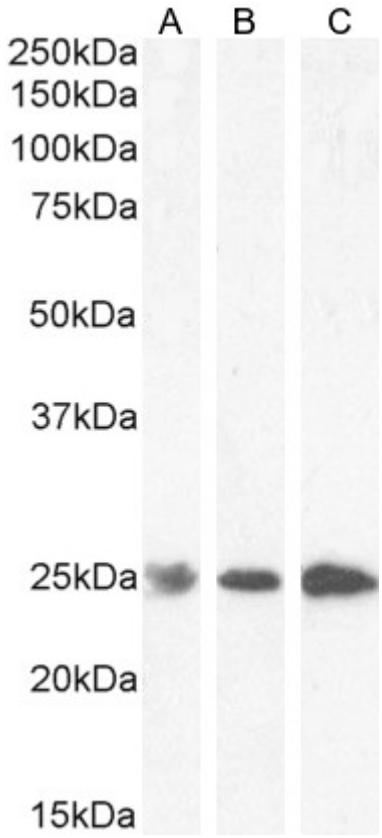
Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

Species Reactivity

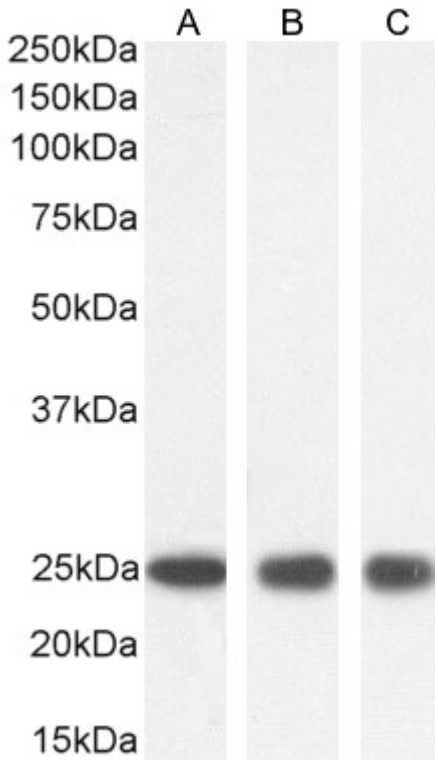
Tested: Human, Mouse, Rat, Dog
Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



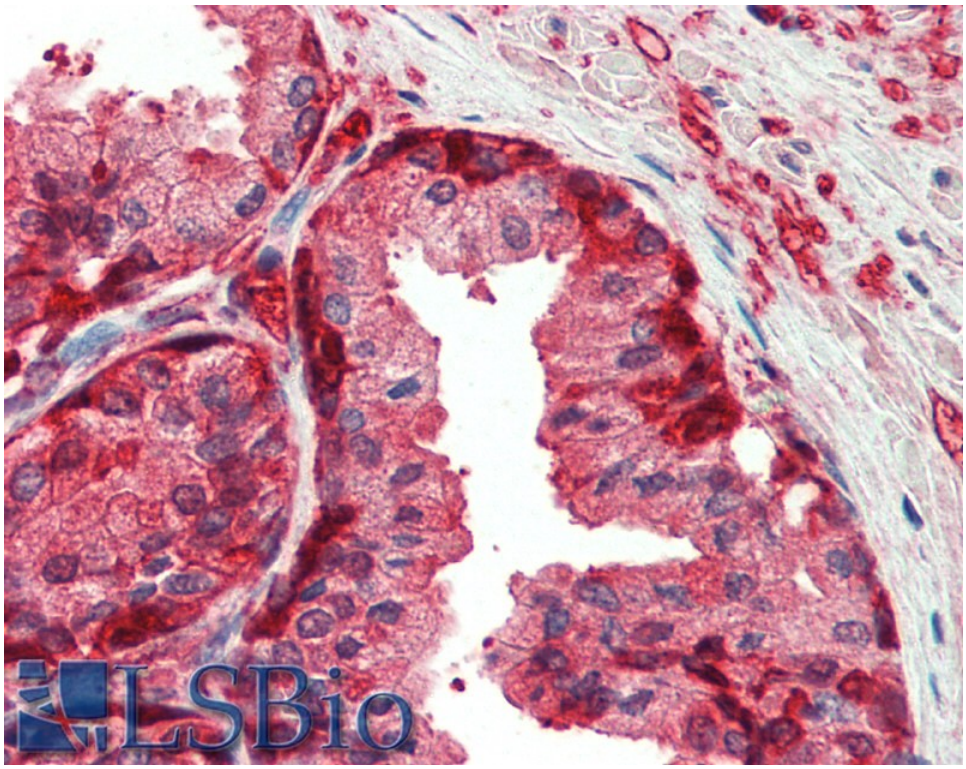
EB06802 (0.3µg/ml) staining of CaCo-2 (A), K562 (B), (0.03ug/ml) HeLa (C), HEK293 (D), Jurkat (E), NIH3T3 (F), KNRK (G) and MDCK (H) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



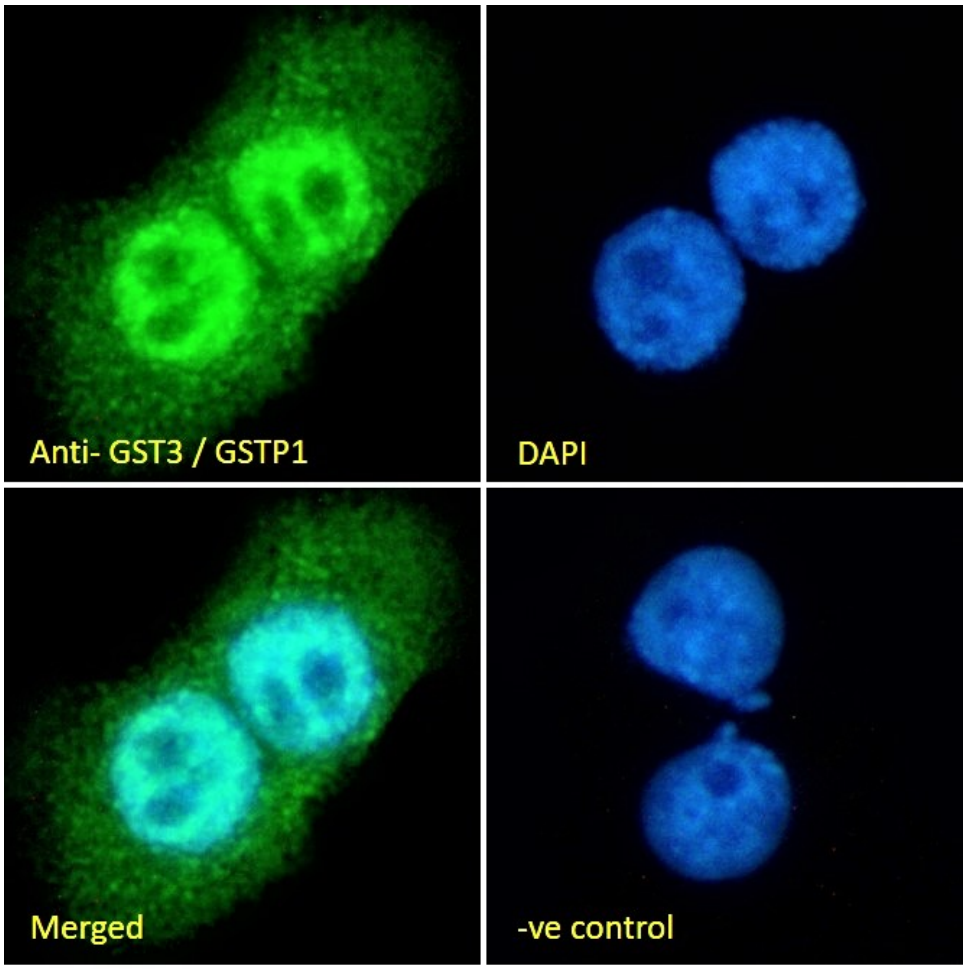
EB06802 (0.1µg/ml) staining of HeLa (A) and HEK293 (B), and (0.03ug/ml) Jurkat (C) nuclear cell lysate (35µg protein in RIPA buffer).Detected by chemiluminescence.



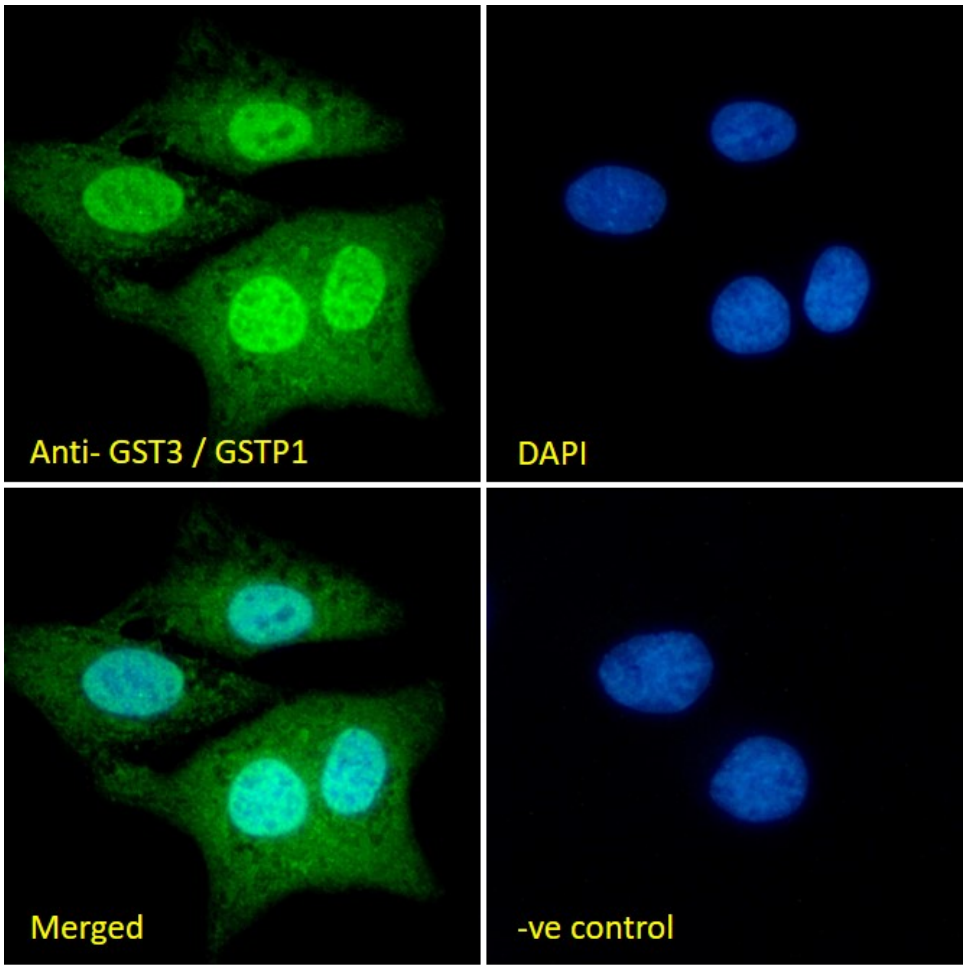
EB06802 (0.3µg/ml) staining of Human Thymus (A), Lung (B), Kidney (C), lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



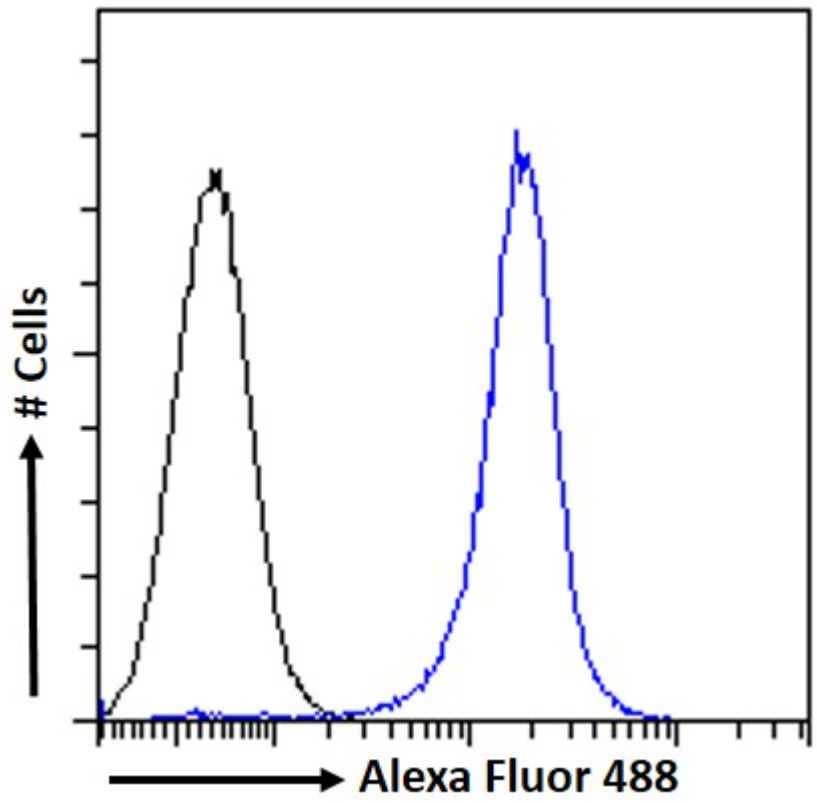
EB06802 (5µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



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.