



International Office

Everest Biotech Ltd

Vector Laboratories, Inc.
6737 Mowry Ave
Newark, CA 94560
United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

**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, FAES3, 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.

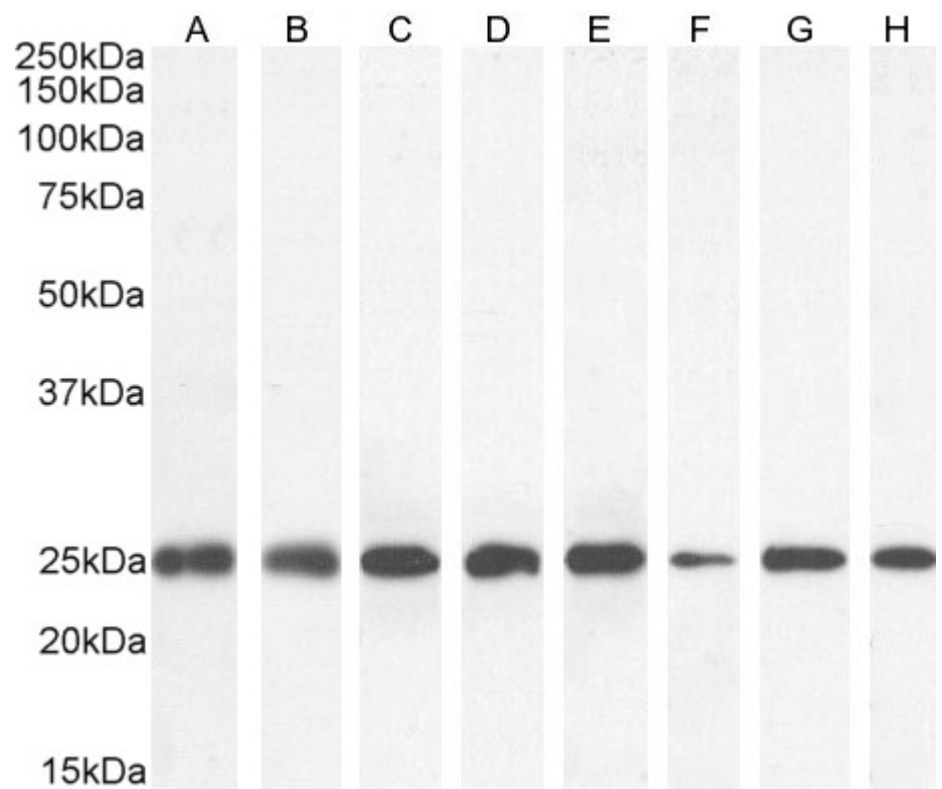
Immunofluorescence: Strong expression of the protein seen in the nuclei and cytoplasm of A431 and U2OS cells. Recommended concentration: 10µg/ml.

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

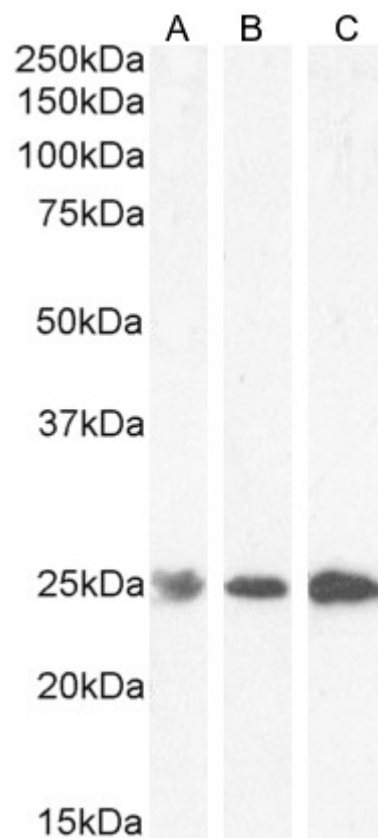
Species Reactivity

Tested: Human, Mouse, Rat, Dog

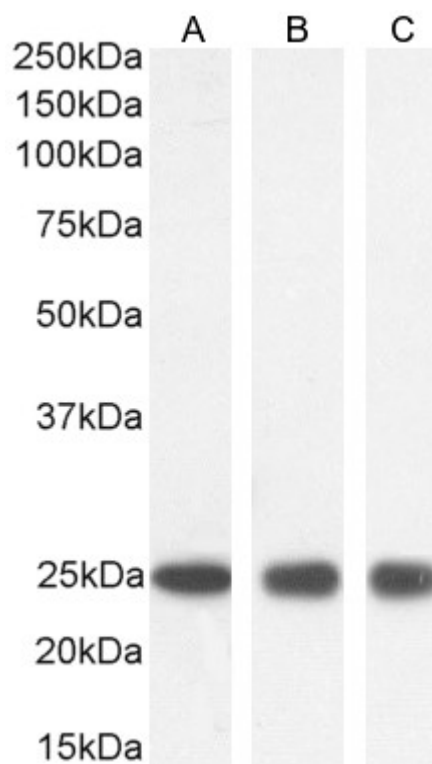
Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



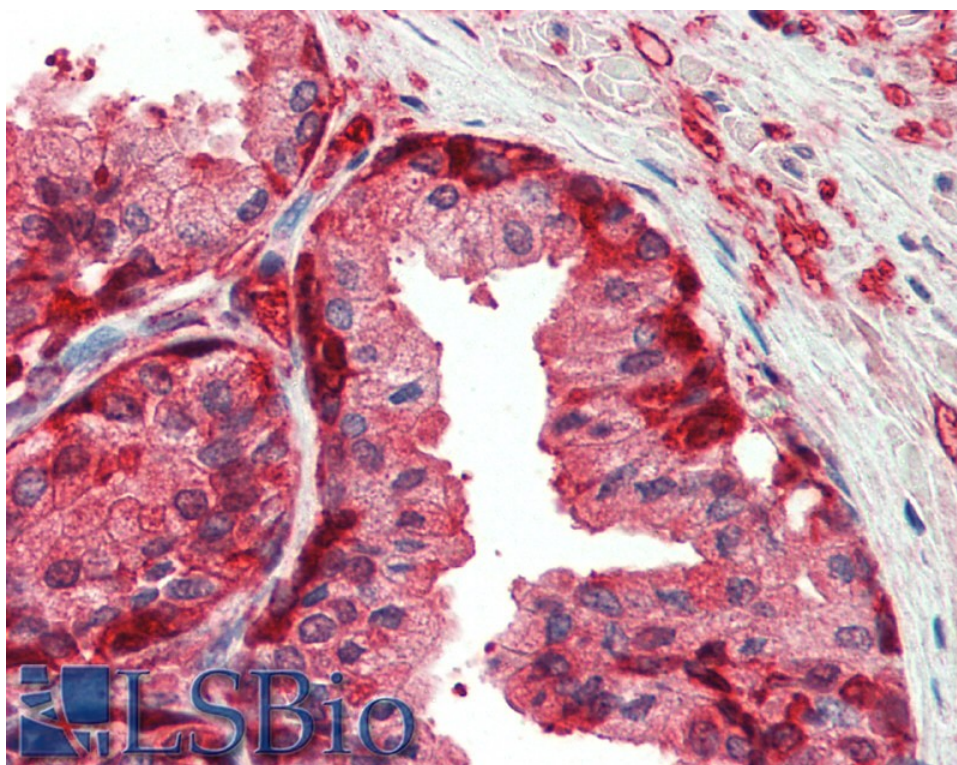
EB06802 (0.3 μ g/ml) staining of CaCo-2 (A), K562 (B), (0.03 μ g/ml) HeLa (C), HEK293 (D), Jurkat (E), NIH3T3 (F), KNRK (G) and MDCK (H) cell lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



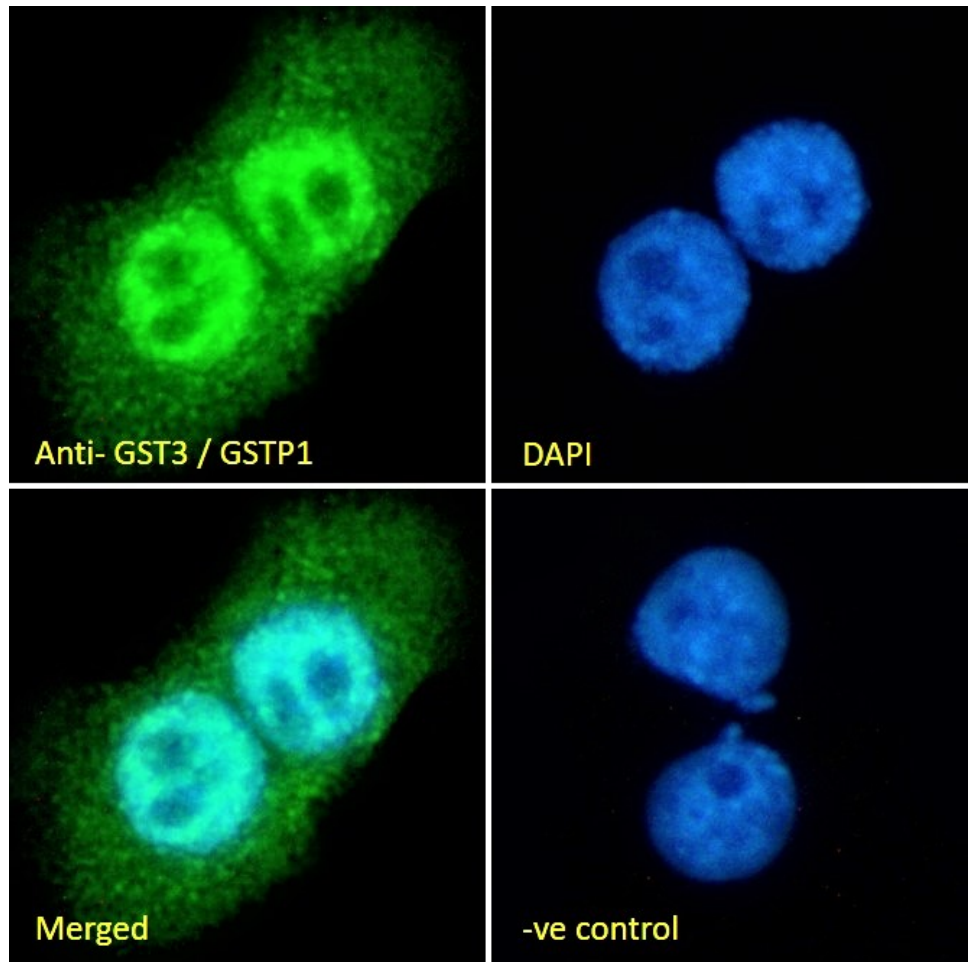
EB06802 (0.1 μ g/ml) staining of HeLa (A) and HEK293 (B), and (0.03 μ g/ml) Jurkat (C) nuclear cell lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



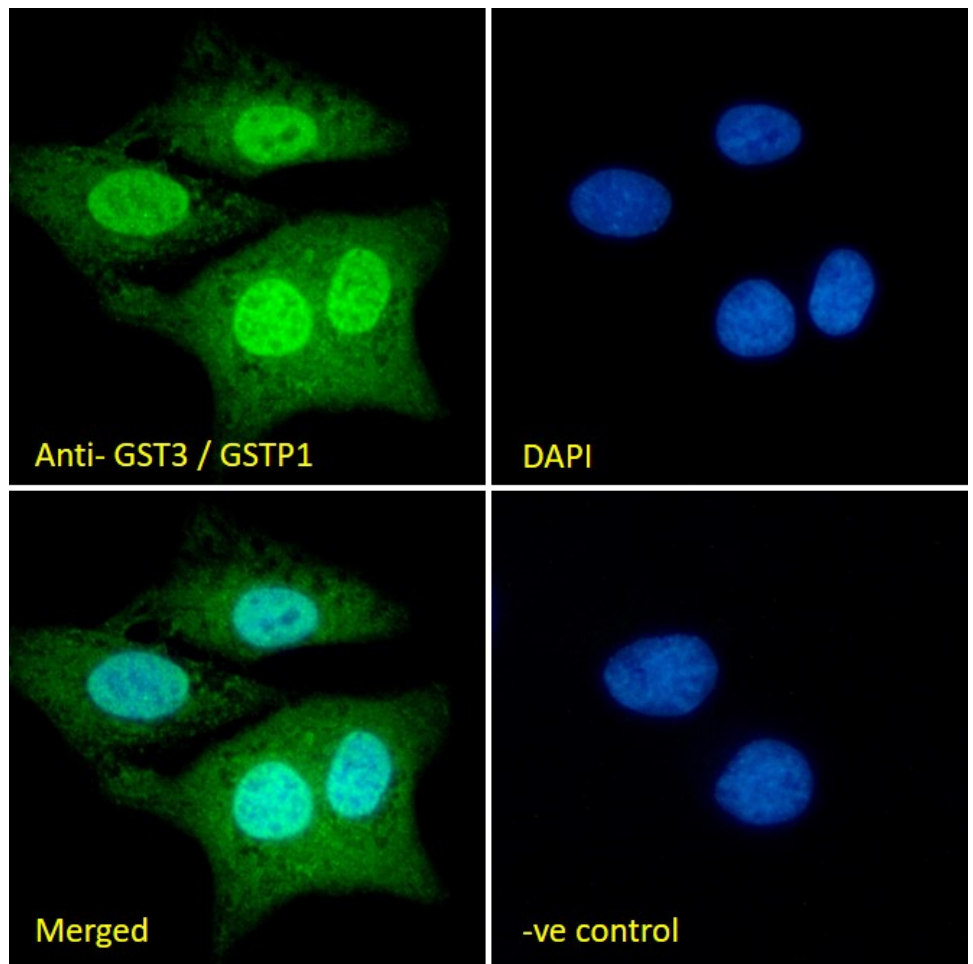
EB06802 (0.3µg/ml) staining of Human Thymus (A), Lung (B), Kidney (C), lysate (35µg protein in RIPA buffer).
Detected by chemiluminescence.



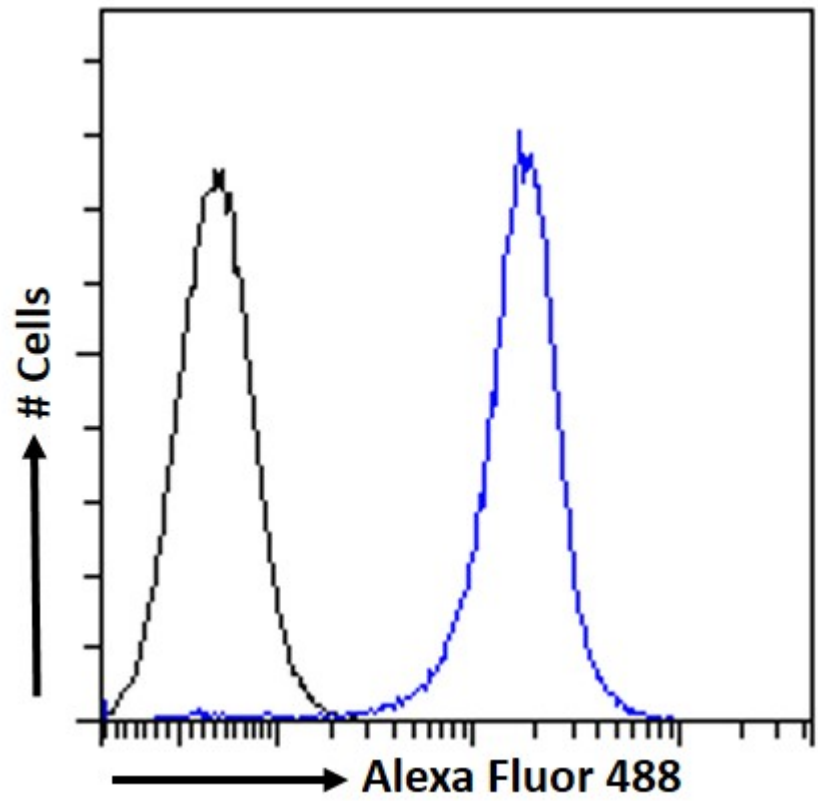
EB06802 (5µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



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.