GST-π polyclonal antibody

The GST superfamily of enzymes play an important role in detoxification of xenobiotics by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. There are four main GST classes; alpha, mu, pi, and tau. GST-P is a member of the pi class of GSTs, and its expression is specifically increased in the early stages of rat hepatocarcinogenesis. Due to its high affinity for glutathione, GST is frequently utilized as an approximately 26 kDa fusion tag for the expression and purification of recombinant proteins.

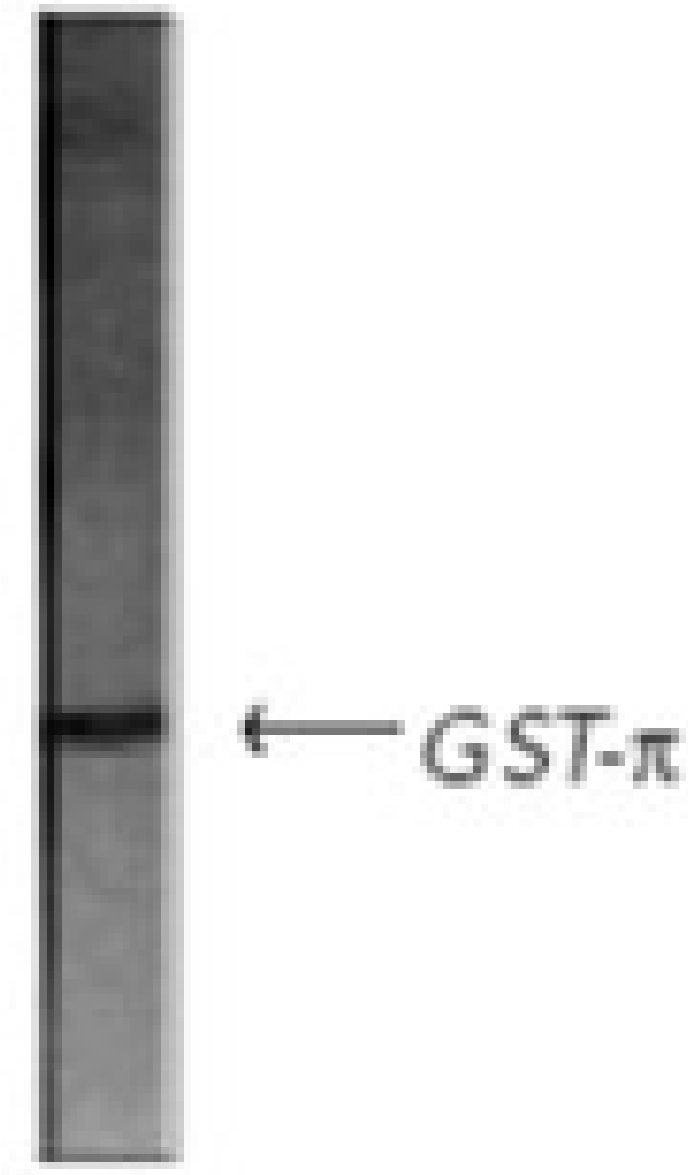
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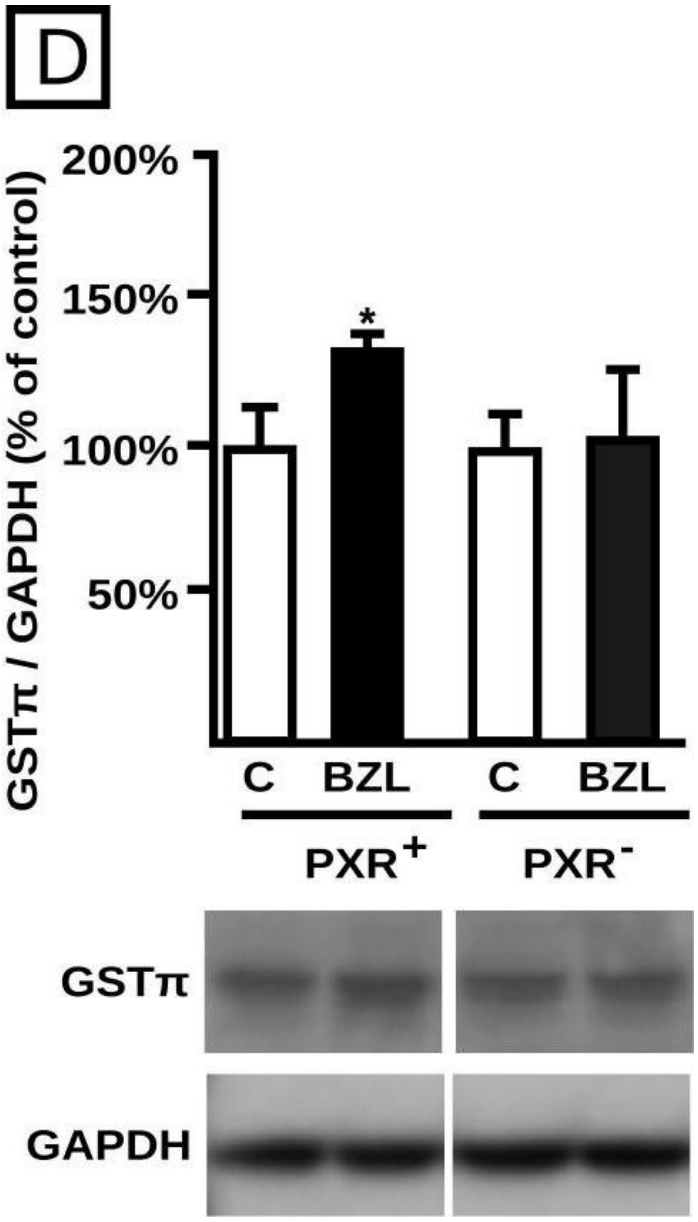
Ordering Information Order Online »

ADI-MSA-102-E	100µl

Manuals, SDS & CofA View Online »



Western blot analysis of mouse liver tissue extract, probed with GST-p pAb.



Effect of PXR knock down on BZL mediated P-gp, MRP2, CYP3A4 and GSTπ induction.P-gp (panel A), MRP2 (panel B), CYP3A4 (panel C) and GSTπ (panel D) levels were estimated by western blotting in lysates from HepG2 cells transfected either with 100 nM Control siRNA-A (PXR+) or 100 nM PXR siRNA (h) (PXR−) and exposed to BZL (200 μM, 48 h) or vehicle (C). Equal amounts of total protein (7 μg) were loaded in the gels. O.D. from each protein was related to GAPDH O.D. Uniformity of loading and transfer from gel to PVDF membrane was also controlled with Ponceau S. Typical western blot detections from each group are shown at the bottom of bar graphics. The results (% of each control) are expressed as mean ± S.D. (n = 3). *Significantly different from C, $p<0.05$.

Image collected and cropped by CiteAb under a CC-BY license from the following publication: Regulation of biotransformation systems and ABC transporters by benznidazole in HepG2 cells: involvement of pregnane X-receptor. *PLoS Negl Trop Dis* (2012)

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	GST-P, Glutathione S-transferase P, GSTP1
Application	IHC, WB
Application Notes	Detects a band of ~26kDa by Western blot.
Formulation	Liquid. In PBS, pH 7.2, containing 50% glycerol.
Host	Rabbit
Immunogen	Human placental GST-π.
Purity Detail	Protein A affinity purified.
Recommendation Dilutions/Conditions	Immunohistochemistry (1:500-1:1,000)Western Blot (1:500-1:1,000)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Human, Mouse, Rat
UniProt ID	P09211
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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