

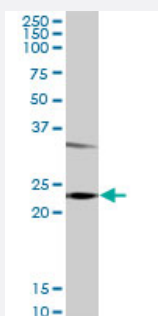
MaxPab®

GSTP1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00002950-D01P

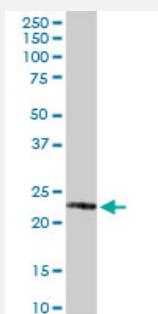
Size 100 ug

Applications



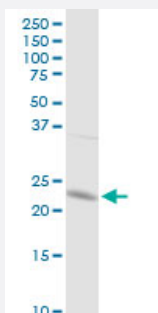
Western Blot (Tissue lysate)

GSTP1 MaxPab rabbit polyclonal antibody. Western Blot analysis of GSTP1 expression in mouse liver.



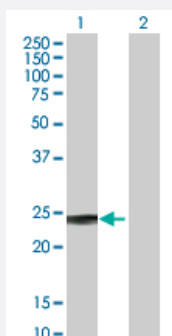
Western Blot (Tissue lysate)

GSTP1 MaxPab rabbit polyclonal antibody. Western Blot analysis of GSTP1 expression in human kidney.



Western Blot (Cell lysate)

GSTP1 MaxPab rabbit polyclonal antibody. Western Blot analysis of GSTP1 expression in HeLa.

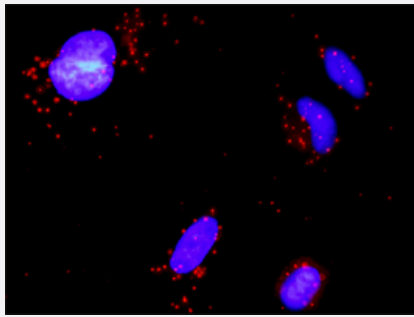


Western Blot (Transfected lysate)

Western Blot analysis of GSTP1 expression in transfected 293T cell line ([H00002950-T01](#)) by GSTP1 MaxPab polyclonal antibody.

Lane 1: GSTP1 transfected lysate(23.30 KDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between GSTP1 and MAPK8. HeLa cells were stained with anti-GSTP1 rabbit purified polyclonal 1:1200 and anti-MAPK8 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human GSTP1 protein.
Immunogen	GSTP1 (AAH10915.1, 1 a.a. ~ 210 a.a) full-length human protein.
Sequence	MPPYTVVYFPVRGRCAALRMLLADQGQSWKEEVTVETWQEGSLKASCLYGQLPKFQDGLTL YQSNILRLHGRGLGLYGKDQQEAALVDMVNDGVEDLRCKYVSLIYTNYEAGKDDYVKALPGQLK PFETLLSQNQGGKTFVGDQISFADYNLLDLLLIHEVLAPGCCLDAFPLLSAYVGRLSARPKLKAFLA SPEYVNLPIGNGKQ
Host	Rabbit
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Rat (86)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

GSTP1 MaxPab rabbit polyclonal antibody. Western Blot analysis of GSTP1 expression in mouse liver.

[Protocol Download](#)

- Western Blot (Tissue lysate)

GSTP1 MaxPab rabbit polyclonal antibody. Western Blot analysis of GSTP1 expression in human kidney.

[Protocol Download](#)

- Western Blot (Cell lysate)

GSTP1 MaxPab rabbit polyclonal antibody. Western Blot analysis of GSTP1 expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of GSTP1 expression in transfected 293T cell line ([H00002950-T01](#)) by GSTP1 MaxPab polyclonal antibody.

Lane 1: GSTP1 transfected lysate(23.30 KDa).

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[Protocol Download](#)

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between GSTP1 and MAPK8. HeLa cells were stained with anti-GSTP1 rabbit purified polyclonal 1:1200 and anti-MAPK8 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — GSTP1

Entrez GeneID [2950](#)

GeneBank Accession# [BC010915.1](#)

Protein Accession# [AAH10915.1](#)

Gene Name GSTP1

Gene Alias DFN7, FAEES3, GST3, PI

Gene Description glutathione S-transferase pi 1

Omim ID [134660](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

Other Designations

OTTHUMP00000174659|deafness, X-linked 7|fatty acid ethyl ester synthase III|glutathione transferase

Publication Reference

- [Phosphorylation of Glutathione S-Transferase P1 \(GSTP1\) by Epidermal Growth Factor Receptor \(EGFR\) Promotes Formation of the GSTP1-c-Jun N-terminal kinase \(JNK\) Complex and Suppresses JNK Downstream Signaling and Apoptosis in Brain Tumor Cells.](#)

Okamura T, Antoun G, Keir ST, Friedman H, Bigner DD, Ali-Osman F.

The Journal of Biological Chemistry 2015 Dec; 290(52):30866.

Application: PLA, Human, UW228 cells

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Glutathione metabolism](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)

Disease

- [Abortion](#)
- [Absenteeism](#)
- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Acute Lung Injury](#)

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
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- [Alcoholism](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
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- [Mesothelioma](#)

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