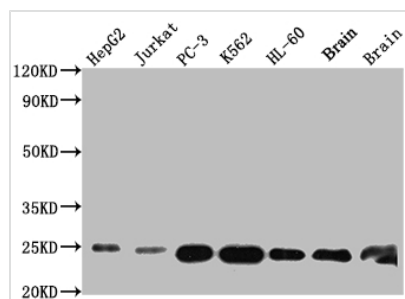




GSTP1 Recombinant Monoclonal Antibody

Product Code	CSB-RA178104A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P09211
Immunogen	A synthesized peptide derived from human GST3 / GST pi
Species Reactivity	Human, Mouse, Rat
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200
Relevance	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Regulates negatively CDK5 activity via p25/p35 translocation to prevent neurodegeneration.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience; Cardiovascular; Metabolism
Gene Names	GSTP1
Clone No.	8F6

Image



Western Blot

Positive WB detected in: HepG2 whole cell lysate, Jurkat whole cell lysate, PC-3 whole cell lysate, K562 whole cell lysate, HL-60 whole cell lysate, Mouse Brain whole cell lysate, Rat Brain whole cell lysate

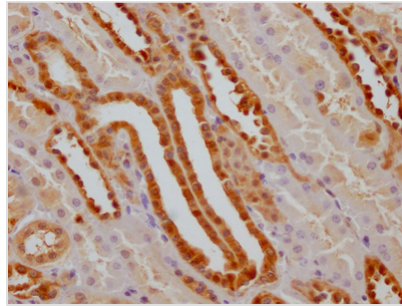
All lanes: GSTP1 antibody at 1:1000

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 24 kDa

Observed band size: 24 kDa



IHC image of CSB-RA178104A0HU diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4? overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

GSTP1 is an isozyme that plays a key role in detoxification, antioxidative damage, and the development of many illnesses. It is involved in electrophilic chemical catalysis and deoxygenation, oxidative stress management, cell apoptosis suppression, cytotoxic metabolism promotion, DNA damage protection, cell signaling, and carcinogenesis. GSTP1 also participates in the control of the inflammatory response. GSTP1 is a crucial regulator in the onset and progression of a variety of cancers. GSTP1 is found in significant amounts in a variety of cancers and preneoplastic lesions, including lung, bladder, and breast cancer.

The recombinant GSTP1 antibody is a monoclonal antibody molecule expressed by using recombinant DNA and protein engineering technology to clone the genes encoding the GSTP1 antibody into a plasma vector and then by transfecting the vector clone into the appropriate recipient mammalian cells for production. It was purified using Affinity-chromatography. And it shows reactivity with GSTP1 protein from Human, Mouse, Rat. This recombinant GSTP1 antibody can be used in the ELISA, WB, IHC.