

GSTA4 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8970a**Specification**

GSTA4 Antibody (N-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	O15217
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	25704
Antigen Region	62-90

GSTA4 Antibody (N-term) - Additional Information**Gene ID** 2941**Other Names**

Glutathione S-transferase A4, GST class-alpha member 4, Glutathione S-transferase A4-4, GSTA4

Target/Specificity

This GSTA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62-90 amino acids from the N-terminal region of human GSTA4.

Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GSTA4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GSTA4 Antibody (N-term) - Protein Information**Name** GSTA4**Function** Conjugation of reduced glutathione to a wide number of exogenous and endogenous

hydrophobic electrophiles. This isozyme has a high catalytic efficiency with 4-hydroxyalkenals such as 4- hydroxynonenal (4-HNE).

Cellular Location

Cytoplasm.

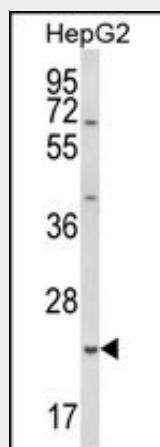
Tissue Location

Expressed at a high level in brain, placenta, and skeletal muscle and much lower in lung and liver

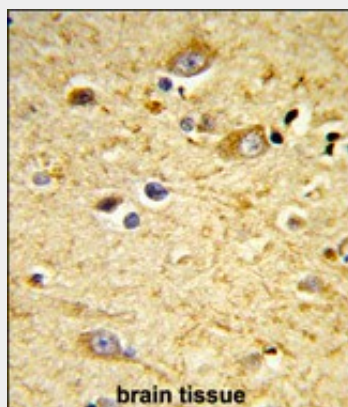
GSTA4 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

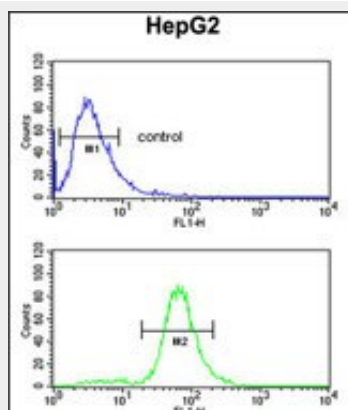
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GSTA4 Antibody (N-term) - Images

Western blot analysis of GSTA4 Antibody (N-term) (Cat. #AP8970a) in HepG2 cell line lysates (35ug/lane). GSTA4 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with GSTA4 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



GSTA4 Antibody (N-term) (Cat. #AP8970a) flow cytometric analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

GSTA4 Antibody (N-term) - Background

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. This isozyme has a high catalytic efficiency with 4-hydroxyalkenals such as 4-hydroxynonenal (4-HNE).

GSTA4 Antibody (N-term) - References

Bruns C.M., et.al., J. Mol. Biol. 288:427-439(1999).