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GSTA4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8970a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	O15217
Reactivity	Human
Predicted	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22990
Calculated MW	25704
Antigen Region	62-90

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~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
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.

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

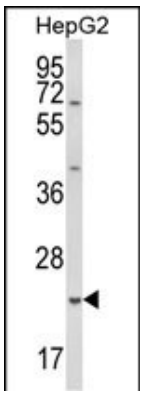
Background

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).

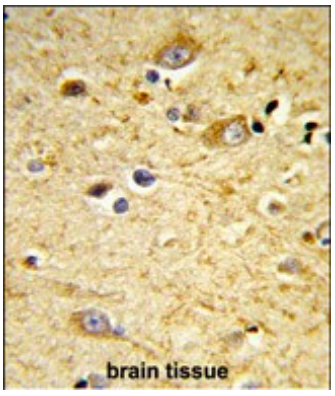
References

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

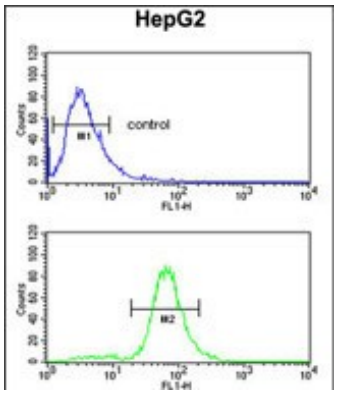
Images



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.