NKMAXBio we support you, we believe in your research Human Glutathione S-transferase theta 2/GSTT2 antibody Catalog Number: ATGA0391

PRODUCT INFORMATION

Catalog number ATGA0391

Clone No. AT10H4

Product type Monoclonal Antibody

UnitProt No. POCG29

NCBI Accession No. NP_000845

Alternative Names Glutathione S-transferase theta 2, GSTT2B

PRODUCT SPECIFICATION

Antibody Host Mouse

Reacts With Human

Concentration 1mg/ml (determined by BCA assay)

Formulation Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen Recombinant human GSTT2 (1-244aa) purified from E. coli

Isotype

lgG2b kappa

Purification Note By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF, FACS

Usage

The antibody has been tested by ELISA, Western blot analysis, Flow cytometry and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

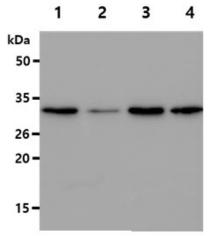
Glutathione S-transferase theta-2 (GSTT2) is an enzyme catalyze the conjugation of reduced glutathione to a variety of electrophilic and hydrophobic compounds. Human GSTs can be divided into five main classes: Alpha, Mu, Pi, Theta, and Zeta. The theta class members GSTT1 and GSTT2 share 55% amino acid sequence identity and both are thought to have an important role in human carcinogenesis.

General References

Hussey AJ., et al. (1992) Biochem J. 286(3): 929-935. Whittington AT., et al. (1996) Genomics. 33(1): 105-111. Webb G., et al. (1996) Genomics. 33(1): 121-123.

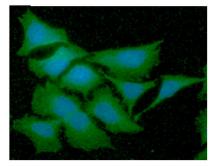
DATA

Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human GSTT2 antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HepG2 cell lysate Lane 2.: NIH/3T3 cell lysate Lane 3.: A549 cell lysate Lane 4.: Raw264.7 cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of GSTT2 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human GSTT2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

Flow cytometry (FACS)

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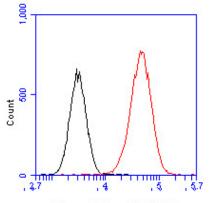


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mouse IgG (black line).

Flow cytometry analysis of GSTT2 in HeLa cell line, staining at 2-5ug

for 1x106cells (red line). The secondary antibody used goat antimouse IgG Alexa fluor 488 conjugate. Isotype control antibody was



Alexa488-anti-GSTT2

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