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# Anti-GSTM2 Antibody

Catalog # AP52009

## Product Information

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|---|---|
| **Application** | WB, IF/IC |
| **Primary Accession** | P28161 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 25745 |

## Additional Information

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|---|---|
| **Gene ID** | 2946 |
| **Other Names** | GST4; Glutathione S-transferase Mu 2; GST class-mu 2; GSTM2-2 |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GSTM2. The exact sequence is proprietary. |
| **Dilution** | WB~~ 1:1000 IF/IC~~N/A |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

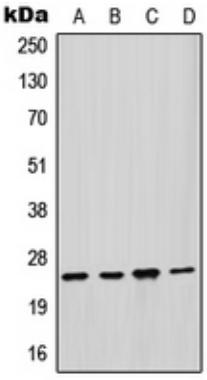
| | |
|---|---|
| **Name** | GSTM2 ( HGNC:4634) |
| **Synonyms** | GST4 |
| **Function** | Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Participates in the formation of novel hepoxilin regioisomers (PubMed:21046276). |
| **Cellular Location** | Cytoplasm. |
| **Tissue Location** | Muscle. |

## References

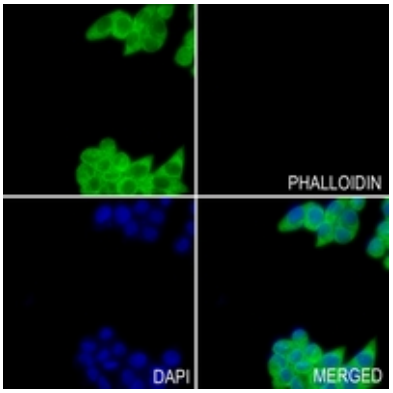
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## Images




Western blot analysis of GSTM2 expression in HepG2 (A), HeLa (B), mouse liver (C), rat liver (D) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 25 kD)




Immunofluorescent analysis of GSTM2 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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