

For Research Use Only

GSTM2 Polyclonal antibody

Catalog Number: 55474-1-AP



Basic Information

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| Catalog Number: 55474-1-AP | GenBank Accession Number: NM_000848 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 1500 ug/ml by Nanodrop; | GeneID (NCBI): 2946 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF/ICC 1:200-1:800 |
| Source: Rabbit | UNIPROT ID: P28161 | |
| Isotype: IgG | Full Name: glutathione S-transferase mu 2 (muscle) | |
| | Calculated MW: 26 kDa | |
| | Observed MW: 26 kDa | |

Applications

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| Tested Applications: WB, IHC, IF/ICC, ELISA | Positive Controls: |
| Species Specificity: human | WB : MCF-7 cells, |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | IHC : human stomach cancer tissue, |
| | IF/ICC : HeLa cells, |

Background Information

Glutathione S-Transferase Mu 2 (GSTM2) is a phase II metabolizing enzyme that conjugates glutathione to electrophilic compounds. GSTM2 is closely related to cancer progression, and there have been several publications regarding the function of GSTM2 in drug resistance (PMID: 36038661). Western blot analysis detected GSTM2 at an apparent molecular mass of 26 kDa.

Storage

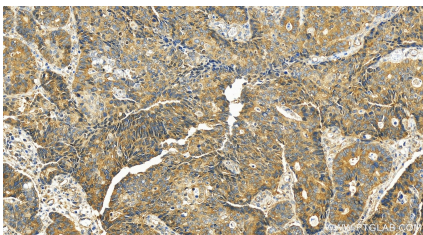
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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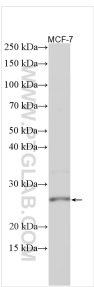
Selected Validation Data



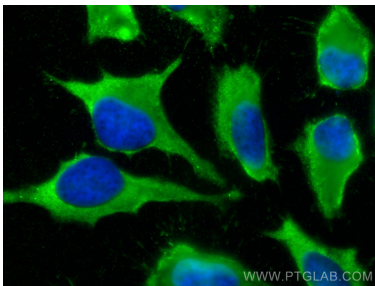
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 55474-1-AP (GSTM2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 55474-1-AP (GSTM2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 55474-1-AP (GSTM2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using GSTM2 antibody (55474-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).