For Research Use Only

GSTM3 Polyclonal antibody

Catalog Number:15214-1-AP Featured Product 28 Publications

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Basic Information

Catalog Number:
15214-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG7375

GenBank Accession Number:
BC000088

GeneID (NCBI):
2947

UNIPROT ID:
P21266

Full Name:
glutathione S-transferase mu 3 (brain)

Calculated MW:
27 kDa

Observed MW:
27-29 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:2000-1:12000
IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC: 1:50-1:500
IF/ICC: 1:200-1:800

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, ELISA

Cited Applications:
WB, IHC, IF, CoIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat, bovine, sheep

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse testis tissue, human testis tissue, rat testis tissue

IP : mouse testis tissue,

IHC : mouse testis tissue, human testis tissue

IF/ICC : HepG2 cells,

Background Information

GSTM3 is a cytosolic enzyme involved in prostaglandin and leukotriene synthesis and in the metabolization of toxic compounds, such as chemotherapeutic drugs, insecticides, herbicides, carcinogens, and by-products of oxidative stress. GSTM3 is expressed in testis, brain, lung, and lymphocytes. GSTM3 have been reported to be dysregulated in cancers like prostate cancer and colon cancer.

Notable Publications

Author	Pubmed ID	Journal	Application
Ming Xu	31775802	Part Fibre Toxicol	WB
Hanshu Wang	34647995	Endocrinology	WB
Dong Huang	34015269	Cell Metab	WB

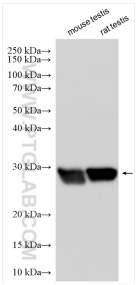
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

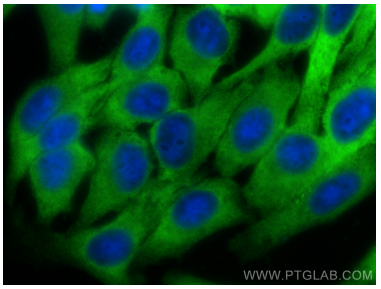
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

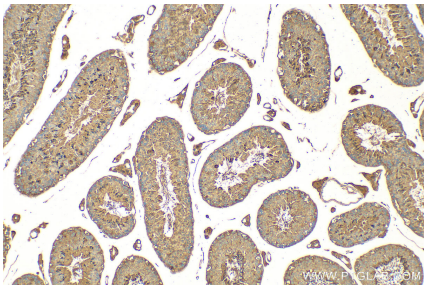
Selected Validation Data



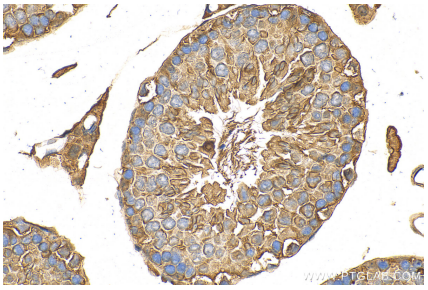
Various lysates were subjected to SDS PAGE followed by western blot with 15214-1-AP (GSTM3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



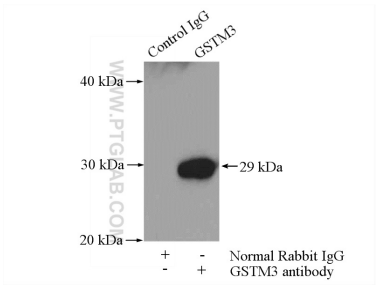
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using GSTM3 antibody (15214-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 15214-1-AP (GSTM3 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 15214-1-AP (GSTM3 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-GSTM3 (IP:15214-1-AP, 4ug; Detection:15214-1-AP 1:300) with mouse testis tissue lysate 4000ug.