




Product datasheet

Anti-GSTM4 antibody ab233281

[1 References](#) [11 Images](#)

Overview

Product name	Anti-GSTM4 antibody
Description	Rabbit polyclonal to GSTM4
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Cynomolgus monkey 
Immunogen	Recombinant fragment (His-T7-tag) corresponding to Human GSTM4 aa 1-250. Expressed in E.coli. Database link: Q03013  Run BLAST with  Run BLAST with
Positive control	WB: Recombinant human GSTM4 protein; Human liver and lung lysates; Mouse liver and lung lysates. IHC-P: Human breast cancer, glioma, prostate, colorectal cancer, liver and stomach tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
Purity	Immunogen affinity purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.

Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab233281 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 26 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

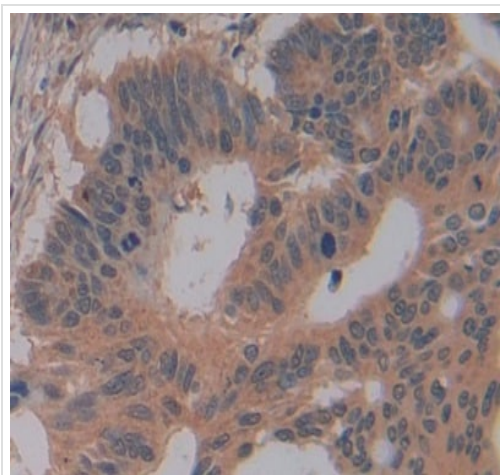
Function Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Active on 1-chloro-2,4-dinitrobenzene.

Tissue specificity Expressed in a wide variety of tissues.

Sequence similarities Belongs to the GST superfamily. Mu family.
Contains 1 GST C-terminal domain.
Contains 1 GST N-terminal domain.

Cellular localization Cytoplasm.

Images



Formalin-fixed, paraffin-embedded human colorectal cancer tissue stained for GSTM4 using ab233281 at 10 µg/ml in immunohistochemical analysis.

Secondary used: HRP-Linked Goat Anti-Rabbit IgG Polyclonal at 2 µg/ml. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GSTM4 antibody (ab233281)



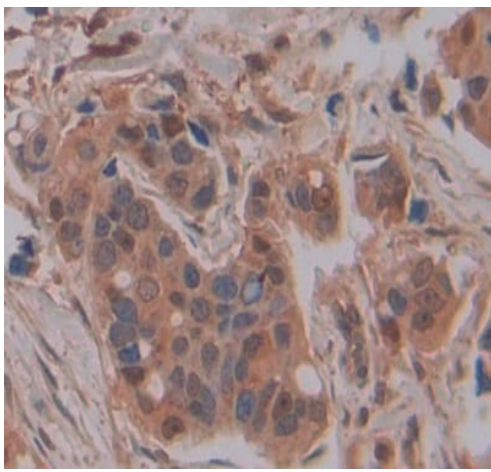
Western blot - Anti-GSTM4 antibody (ab233281)

Anti-GSTM4 antibody (ab233281) at 2 µg/ml + Human liver lysate

Secondary

HRP-Linked Goat Anti-Rabbit IgG Polyclonal at 0.2 µg/ml

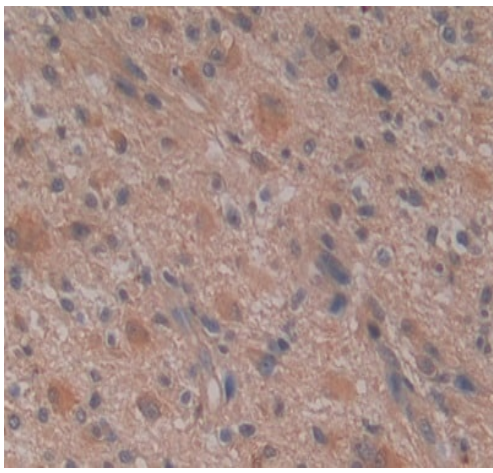
Predicted band size: 26 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GSTM4 antibody (ab233281)

Formalin-fixed, paraffin-embedded human breast cancer tissue stained for GSTM4 using ab233281 at 10 µg/ml in immunohistochemical analysis.

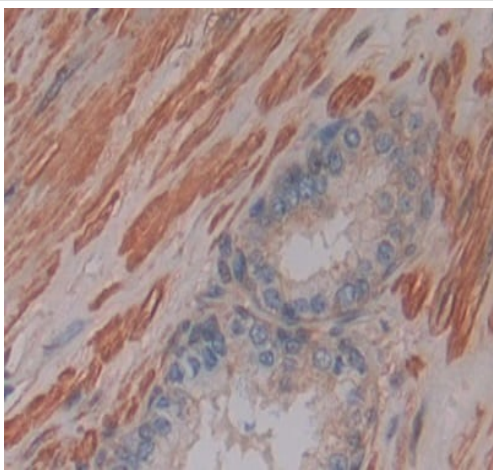
Secondary used: HRP-Linked Goat Anti-Rabbit IgG Polyclonal at 2 µg/ml. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GSTM4 antibody (ab233281)

Formalin-fixed, paraffin-embedded human glioma tissue stained for GSTM4 using ab233281 at 10 µg/ml in immunohistochemical analysis.

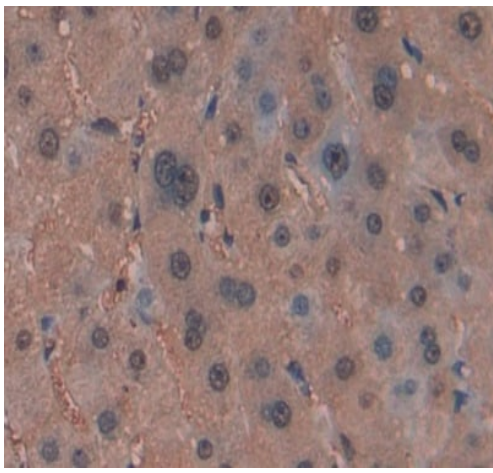
Secondary used: HRP-Linked Goat Anti-Rabbit IgG Polyclonal at 2 µg/ml. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GSTM4 antibody (ab233281)

Formalin-fixed, paraffin-embedded human prostate tissue stained for GSTM4 using ab233281 at 10 µg/ml in immunohistochemical analysis.

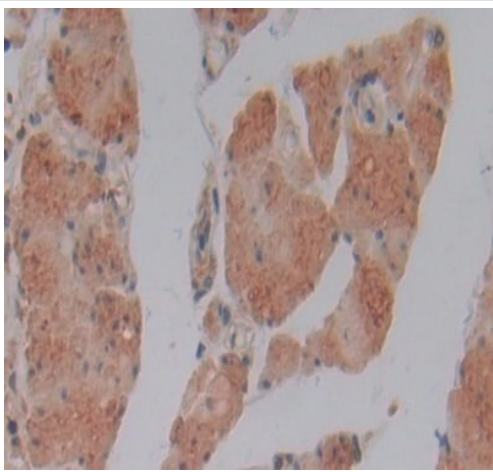
Secondary used: HRP-Linked Goat Anti-Rabbit IgG Polyclonal at 2 µg/ml. DAB staining..



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GSTM4 antibody (ab233281)

Formalin-fixed, paraffin-embedded human liver tissue stained for GSTM4 using ab233281 at 10 µg/ml in immunohistochemical analysis.

Secondary used: HRP-Linked Goat Anti-Rabbit IgG Polyclonal at 2 µg/ml. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GSTM4 antibody (ab233281)

Formalin-fixed, paraffin-embedded human stomach tissue stained for GSTM4 using ab233281 at 10 µg/ml in immunohistochemical analysis.

Secondary used: HRP-Linked Goat Anti-Rabbit IgG Polyclonal at 2 µg/ml. DAB staining.



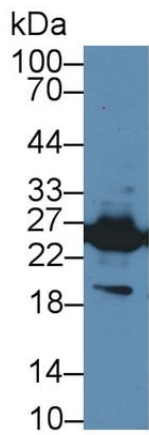
Western blot - Anti-GSTM4 antibody (ab233281)

Anti-GSTM4 antibody (ab233281) at 2 µg/ml + Human lung lysate

Secondary

HRP-Linked Goat Anti-Rabbit IgG Polyclonal at 0.2 µg/ml

Predicted band size: 26 kDa



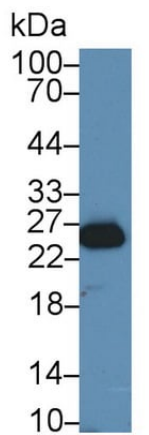
Western blot - Anti-GSTM4 antibody (ab233281)

Anti-GSTM4 antibody (ab233281) at 2 μ g/ml + Mouse liver lysate

Secondary

HRP-Linked Goat Anti-Rabbit IgG Polyclonal at 0.2 μ g/ml

Predicted band size: 26 kDa



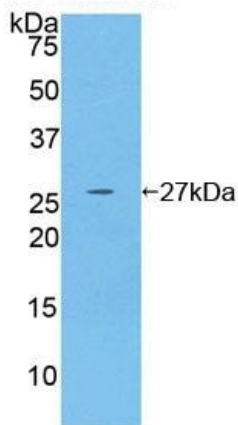
Western blot - Anti-GSTM4 antibody (ab233281)

Anti-GSTM4 antibody (ab233281) at 2 μ g + Mouse lung lysate

Secondary

HRP-Linked Goat Anti-Rabbit IgG Polyclonal at 0.2 μ g/ml

Predicted band size: 26 kDa



Western blot - Anti-GSTM4 antibody (ab233281)

Anti-GSTM4 antibody (ab233281) at 2 μ g + Recombinant human GSTM4 protein

Predicted band size: 26 kDa

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