

Product datasheet

Anti-Glutathione S Transferase mu antibody [CPTC-GSTMu1-3] ab268069

[3 Images](#)

Overview

Product name	Anti-Glutathione S Transferase mu antibody [CPTC-GSTMu1-3]
Description	Mouse monoclonal [CPTC-GSTMu1-3] to Glutathione S Transferase mu
Host species	Mouse
Tested applications	Suitable for: WB, Protein Array, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein within Human Glutathione S Transferase mu aa 1-218. The exact sequence is proprietary. Database link: P09488
Positive control	WB: HeLa cell lysate IHC: Human Placenta 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: 7.2 Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
Purity	Protein A/G purified
Purification notes	Purified from Bioreactor concentrate
Clonality	Monoclonal
Clone number	CPTC-GSTMu1-3

Isotype	IgG1
Light chain type	kappa

Applications

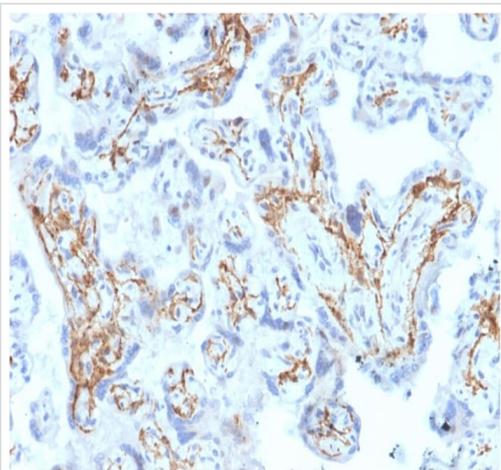
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab268069 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 26 kDa.
Protein Array		Use at an assay dependent concentration.
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

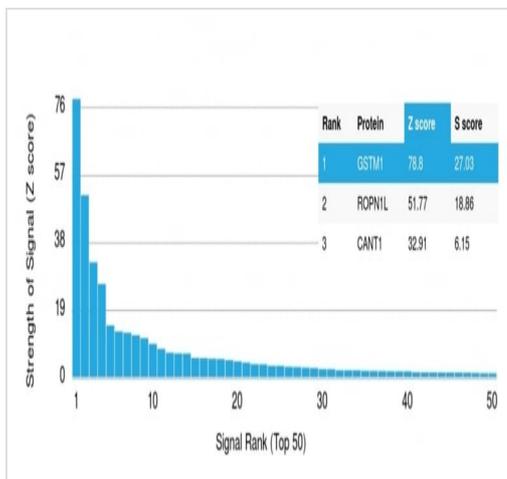
Function	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.
Tissue specificity	Liver (at protein level).
Sequence similarities	Belongs to the GST superfamily. Mu family. Contains 1 GST C-terminal domain. Contains 1 GST N-terminal domain.
Cellular localization	Cytoplasm.

Images



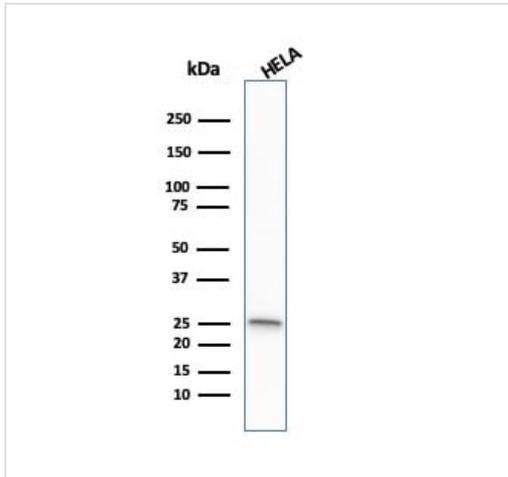
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glutathione S Transferase mu antibody [CPTC-GSTMu1-3] (ab268069)

Formalin-fixed, paraffin-embedded human Placenta tissue stained for Glutathione S Transferase mu1 using ab268069 at 2 µg/ml in immunohistochemical analysis.



Protein Array - Anti-Glutathione S Transferase mu antibody [CPTC-GSTMu1-3] (ab268069)

Protein Array containing more than 19,000 full-length human proteins using ab268069. Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western blot - Anti-Glutathione S Transferase mu antibody [CPTC-GSTMu1-3] (ab268069)

Anti-Glutathione S Transferase mu antibody [CPTC-GSTMu1-3] (ab268069) at 1 $\mu\text{g/ml}$ + HeLa (Human epithelial cell line from cervix adenocarcinoma) cell lysate

Predicted band size: 26 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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