

Datasheet for ABIN2788411
anti-MGST1 antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

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| Quantity: | 100 µL |
| Target: | MGST1 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Cow, Dog, Horse, Guinea Pig, Pig, Rabbit |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MGST1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human MGST1 |
| Sequence: | NPEDCVAFGK GENAKKYLRT DDRVERVRRRA HLNDLENIIP FLGIGLLYSL |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 79%, Horse: 100%, Human: 100%, Mouse: 79%, Pig: 93%, Rabbit: 86%, Rat: 93% |
| Characteristics: | This is a rabbit polyclonal antibody against MGST1. It was validated on Western Blot. |
| Purification: | Affinity Purified |

Target Details

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| Target: | MGST1 |
| Alternative Name: | MGST1 (MGST1 Products) |

Target Details

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| Background: | <p>The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family consists of six human proteins, two of which are involved in the production of leukotrienes and prostaglandin E, important mediators of inflammation. Other family members, demonstrating glutathione S-transferase and peroxidase activities, are involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. MGST1 catalyzes the conjugation of glutathione to electrophiles and the reduction of lipid hydroperoxides. This protein is localized to the endoplasmic reticulum and outer mitochondrial membrane where it is thought to protect these membranes from oxidative stress.</p> <p>Alias Symbols: GST12, MGC14525, MGST, MGST-I</p> <p>Protein Interaction Partner: LTC4S, NELFB, UBC, MGST1,</p> <p>Protein Size: 155</p> |
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|-------------------|--------|
| Molecular Weight: | 17 kDa |
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| Gene ID: | 4257 |
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| NCBI Accession: | NM_145792 , NP_665735 |
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| UniProt: | P10620 |
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Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
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| Comment: | Antigen size: 155 AA |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
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| Concentration: | Lot specific |
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| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
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| Preservative: | Sodium azide |
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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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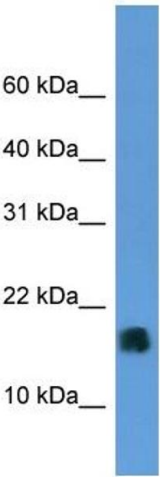
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| Handling Advice: | Avoid repeated freeze-thaw cycles. |
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| Storage: | -20 °C |
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Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1.