

**Anti-GSTM3 (MOUSE) Monoclonal Antibody**  
**GSTM3 Antibody**  
**Catalog # ASR4225**

**Specification**

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**Anti-GSTM3 (MOUSE) Monoclonal Antibody - Product Information**

Host	<b>Mouse</b>
Conjugate	<b>Unconjugated</b>
Target Species	<b>Mouse</b>
Reactivity	<b>Human</b>
Clonality	<b>Monoclonal</b>
Application	<b>WB, IHC, E, IP, I, LCI</b>
Application Note	<b>Anti-GSTM2 antibody has been tested in ELISA and is suitable in Western Blot. Suitable for most immunological techniques requiring high titer binding and lot-to-lot consistency. Specific conditions for reactivity should be optimized by the end user.</b>
Physical State	<b>Liquid (sterile filtered)</b>
Buffer	<b>0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</b>
Immunogen	<b>This Protein A purified antibody was prepared by repeated immunizations in mice with M3 Protein</b>
Preservative	<b>0.01% (w/v) Sodium Azide</b>

**Anti-GSTM3 (MOUSE) Monoclonal Antibody - Additional Information**

**Gene ID 2947**

**Purity**

This product is purified from roller bottle culture by Protein A chromatography followed by extensive dialysis against the buffer stated above. Reacts specifically with M3 protein. Cross reactivity from other sources has not been determined.

**Storage Condition**

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-GSTM3 (MOUSE) Monoclonal Antibody - Protein Information**

**Name GSTM3**

## Synonyms GST5

### Function

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. May govern uptake and detoxification of both endogenous compounds and xenobiotics at the testis and brain blood barriers.

### Cellular Location

Cytoplasm.

### Tissue Location

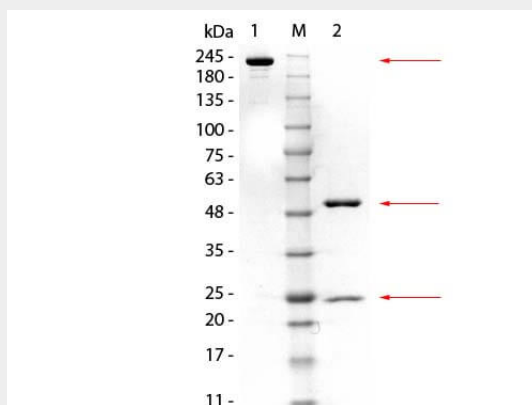
Testis and brain.

## Anti-GSTM3 (MOUSE) Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-GSTM3 (MOUSE) Monoclonal Antibody - Images



SDS-PAGE of Mouse anti-GSTM3 Monoclonal Antibody. Lane 1: Non-reduced Mouse anti-GSTM3 Monoclonal Antibody. Lane M: 3 µL OPAL Pre-stained Marker (p/n MB-210-0500). Lane 2: Reduced Mouse anti-GSTM3 Monoclonal Antibody. Load: 1 µg per lane. Predicted/Observed size: Non-reduced at 160 kDa/observed at 180-200 kDa; Reduced at 55, 25 kDa. Non-reduced migrates at slightly higher molecular weight.

## Anti-GSTM3 (MOUSE) Monoclonal Antibody - Background

Rockland produces a wide range of human GST antibodies in our laboratories. Select appropriate GST antibodies for your research by isotype, epitope, applications and species reactivity. There are 22 members of the human GST family of proteins. GST is responsible for the conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. The amino acid sequence GST is highly conserved in most organisms including mammals. GSTs proteins are

typically homodimeric, with both heterologous GST dimers have been observed. GST monomers have an average molecular weight of approximately 25-28 kDa in size. Note a different form of non-human GST (Glutathione-S-Transferase) is used as a protein expression tag commonly in molecular biology applications. All anti-GST antibodies may not react with recombinant GST-fusion proteins.