

Datasheet for ABIN1539938
anti-GSTM1 antibody (AA 184-211)



[Go to Product page](#)

1 Image

Overview

Quantity:	0.1 mL
Target:	GSTM1
Binding Specificity:	AA 184-211
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GSTM1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This GSTM1 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 184-211 amino acids from human GSTM1.
Clone:	524CT17-2-5
Isotype:	IgM
Purification:	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Target Details

Target:	GSTM1
Alternative Name:	GSTM1 (GSTM1 Products)
Background:	Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct

Target Details

supergene families. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-transferase that belongs to the mu class. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding the mu class of enzymes are organized in a gene cluster on chromosome 1p13.3 and are known to be highly polymorphic. These genetic variations can change an individual's susceptibility to carcinogens and toxins as well as affect the toxicity and efficacy of certain drugs. Null mutations of this class mu gene have been linked with an increase in a number of cancers, likely due to an increased susceptibility to environmental toxins and carcinogens. Multiple protein isoforms are encoded by transcript variants of this gene.

Molecular Weight: 25712

Gene ID: 2944

NCBI Accession: [NP_000552](#), [NP_666533](#)

UniProt: [P09488](#)

Pathways: [Negative Regulation of Transporter Activity](#)

Application Details

Application Notes: WB: 1:500~2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Mouse monoclonal antibody supplied in crude ascites with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

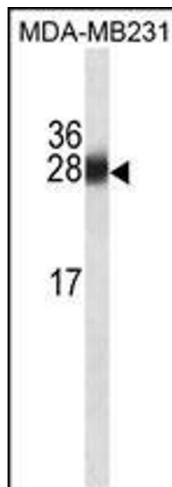
Storage: 4 °C, -20 °C

Storage Comment: GSTM1 Antibody(Ascites) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Handling

Expiry Date: 6 months

Images



Western Blotting

Image 1. GSTM1 Antibody ABIN1539938 western blot analysis in MDA-M cell line lysates (35 µg/lane). This demonstrates the GSTM1 antibody detected the GSTM1 protein (arrow).