

Datasheet for ABIN185334  
**anti-GSTM1 antibody (C-Term)**[Go to Product page](#)**1** Image**1** Publication

## Overview

Quantity:	100 µg
Target:	GSTM1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This GSTM1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Purpose:	GSTM1 / GSTM2
Immunogen:	Peptide with sequence CVFSKMAVWGNK, from the C Terminus of the protein sequence according to NP_000552.2, NP_666533.1, NP_000839.1.
Sequence:	CVFSKMAVWG NK
Isotype:	IgG
Specificity:	This antibody is expected to recognise both reported variants of human GSTM1 protein (NP_000552.2, NP_666533.1) and wil also recognise human GSTM2 protein (NP_000839.1).
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

## Product Details

Grade: Verified

## Target Details

Target: GSTM1

Alternative Name: GSTM1 / GSTM2 ([GSTM1 Products](#))

Background: GSTM1, GSTM2, MU, H-B, GST1, GTH4, GTM1, MU-1, GSTM1-1, MGC26563, GSTM1a-1a, GSTM1b-1b, glutathione S-transferase M1, HB subunit 4, GST class-mu 1, glutathione S-aryltransferase, glutathione S-alkyltransferase, glutathione S-transferase, Mu-1, glutathione

Gene ID: 2944, 2946

NCBI Accession: [NP\\_000552](#), [NP\\_666533](#), [NP\\_000839](#)

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

## Application Details

Application Notes: Western Blot: Approx 26 kDa band observed in Human Liver and Human Lung lysates (calculated MW of 25.7 kDa according to NP\_000552.2, and NP\_000839.1). Recommended concentration: 1-3 µg/mL.  
Peptide ELISA: antibody detection limit dilution 1:1000.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

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

Handling Advice: Minimize freezing and thawing.

Storage: -20 °C

Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated

## Handling

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at 4°C for a few weeks and still remain viable.

## Publications

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Product cited in: Endo, Uno, Seki, Ariga, Kusumi, Mitsumata, Yamada, Makishima: "Inhibition of aryl hydrocarbon receptor transactivation and DNA adduct formation by CYP1 isoform-selective metabolic deactivation of benzo[a]pyrene." in: **Toxicology and applied pharmacology**, Vol. 230, Issue 2, pp. 135-43, (2008) ([PubMed](#)).

## Images

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**Image 1.** ABIN185334 (0.3µg/ml) staining of Human Lung lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.