

#### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

# EB06606 - Goat Anti-GSTM1 / GSTM2 Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

**Principal Names:** 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 S-aralkyltransferase, S-(hydroxyalkyl)glutathione lyase, glutathione S-transferase mu 1, glutathione S-transferase mu 2 (muscle), GST4, GSTM, GSTM2-2, GTHMUS, MGC117303, GST class-mu 2, GST, muscle,

S-(hydroxyalkyl)glutathione lyase M2, glutathione S-alkyltransferase M2, glutathione S-aralkyltransferase M2, glutathione S-aryltransferase M2, glutathione S-transferase 4, glutathione S-transferase M1, glutathione S-transferase M2 (muscle), glutathione S-transferase mu 2

Official Symbol: GSTM1 / GSTM2

Accession Number(s): NP\_000552.2; NP\_666533.1; NP\_000839.1

Human GenelD(s): 2944, 2946

**Important Comments:** 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).

# **Immunogen**

Peptide with sequence CVFSKMAVWGNK, from the C Terminus of the protein sequence according to NP\_000552.2; NP\_666533.1; NP\_000839.1.

Please note the peptide is available for sale.

# **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

## **Applications Tested**

**Peptide ELISA:** antibody detection limit dilution 1:1000.

Western blot: Approx 26kDa band observed in Human Liver and Human Lung lysates

(calculated MW of 25.7kDa according to NP\_000552.2, and NP\_000839.1).

Recommended concentration: 1-3µg/ml.

#### **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human

## **Specific Reference**

## This antibody has been successfully used in the following paper:

Endo K, Uno S, Seki T, Ariga T, Kusumi Y, Mitsumata M, Yamada S, Makishima M. Inhibition of aryl hydrocarbon receptor transactivation and DNA adduct formation by CYP1 isoform-selective metabolic deactivation of benzo[a]pyrene.

Toxicol Appl Pharmacol. 2008 Jul 15;230(2):135-43. Epub 2008 Feb 21.

PMID: 18372000

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa 15kDa

EB06606 (0.3 $\mu$ g/ml) staining of Human Lung lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.