

### **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.

# EB11973 - Goat Anti-MMP14 Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** MMP14, matrix metallopeptidase 14 (membrane-inserted), 1, MMP-14, MMP-X1, MT-MMP, MT-MMP 1, MT1-MMP, MT1MMP, MTMMP1, matrix metalloproteinase 14 (membrane-inserted), matrix metalloproteinase-14, membrane type

1 metalloprotease, membrane-type matrix metalloproteinase 1, membrane-type-1 matrix

metalloproteinase

Official Symbol: MMP14

Accession Number(s): NP\_004986.1

Human GenelD(s): 4323

Non-Human GeneID(s): 17387 (mouse), 81707 (rat)

### **Immunogen**

Peptide with sequence C-ESATPLRFREVP, from the internal region of the protein sequence according to NP\_004986.1.

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 1:128000.

Western blot: Approx 60kDa band observed in lysates of cell lines NIH3T3, A549 and

HeLa (calculated MW of 65.9kDa according to NP\_004986.1). Recommended

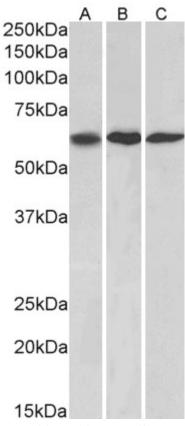
concentration: 1-3µg/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Liver. Recommended concentration: 5µg/ml.

# **Species Reactivity**

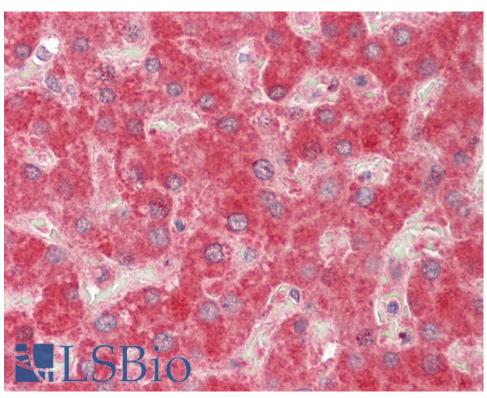
Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



EB11973 (1μg/ml) staining of NIH3T3, (A) A549 (B) and HeLa (C) lysates (35μg protein in RIPA buffer).

Detected by chemiluminescence.



EB11973 (5µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.