

## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06513 - Goat Anti-TIM50 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** TIMM50, TIM50L, translocase of inner mitochondrial membrane 50 homolog (yeast), Tim50-like protein, homolog of yeast Tim50, translocase of inner mitochondrial membrane 50 homolog (S. cerevisiae), MGC102733, TIM50

**Official Symbol:** TIMM50

**Accession Number(s):** NP\_001001563.1

**Human GeneID(s):** [92609](#)

**Important Comments:** This antibody is expected to recognise an epitope corresponding to aa 396-409 of human TIM50.

### Immunogen

Peptide with sequence CDVRTVLEHYALEDD, from the internal region of the protein sequence according to NP\_001001563.1.

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 39kDa in Human Heart lysate (Calculated MW of 50.5kDa according to NP\_001001563.1). The observed molecular weight corresponds to earlier finding in literature with different antibodies (Guo et al, J Bio Chem 2004 Jun 4;279:24813-25; PMID: 15044455). Recommended concentration: 0.5-1.5µg/ml.

### Species Reactivity

**Tested:** Human

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

### Specific Reference

**This antibody (previous batch) has been successfully used in Western blot on Dog:**

Marfè G, Tafani M, Fiorito F, Pagnini U, Iovane G, De Martino L.

Involvement of FOXO transcription factors, TRAIL-FasL/Fas, and sirtuin proteins family in canine coronavirus type II-induced apoptosis.

PLoS One. 2011;6(11).

PMID: 22087287



EB06513 (1 $\mu$ g/ml) staining of Human Heart lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.