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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.