

## UK Office

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

## EB06643 - Goat Anti-Triosephosphate isomerase Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** triosephosphate isomerase 1, TPI1, TPI, MGC88108, epididymis secretory protein Li 49, HEL-S-49, TIM, TPID, triose-phosphate isomerase

**Official Symbol:** TPI1

**Accession Number(s):** NP\_000356.1; NP\_001152759.1

**Human GeneID(s):** [7167](#)

**Non-Human GeneID(s):** 21991 (mouse), 24849 (rat)

**Important Comments:** This antibody is expected to recognise reported isoforms 1 and 2 (NP\_000356.1; NP\_001152759.1).

### Immunogen

Peptide with sequence C-LKPEFVDIINAKQ, from the C Terminus of the protein sequence according to NP\_000356.1; NP\_001152759.1.

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 1:16000.

**Western blot:** Approx 26kDa band observed in Human Liver (calculated MW of 26.7kDa according to NP\_000356.1). Recommended concentration: 0.01-0.03µg/ml. Primary incubated for 1 hour.

**IHC:** In paraffin embedded Human Liver shows staining of the sinusoids. Recommended concentration: 2-4µg/ml. Paraffin embedded Human Pancreas. Recommended concentration: 5µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

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

### Specific References

**This antibody has been successfully used in Western blot in Human:**

Vorum H, Østergaard M, Rice GE, Honoré B, Bek T.

Identification of differentially regulated proteins in a patient with Leber's Congenital Amaurosis--a proteomic study.

Proteome Sci. 2007 Feb 27;5:5.

PMID: 17326818

**This antibody has been successfully used in Western blot in Mouse:**

Honoré B, Buus S, Claësson MH.

Identification of differentially expressed proteins in spontaneous thymic lymphomas from knockout mice with deletion of p53.

Proteome Sci. 2008 Jun 10;6:18.

PMID: 18544163

EB06643 staining (0.003µg/ml) of Human Liver lysate (RIPA buffer, 30µg total protein per lane). Detected by chemiluminescence.

EB06643 (2µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.

EB06643 (5µg/ml) staining of paraffin embedded Human Pancreas. Steamed antigen retrieval with Tris/EDTA buffer pH 9, AP-staining.