

## UK Office

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

## EB06643-B - Goat Anti-Triosephosphate isomerase, Biotinylated Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

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

**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 lysates (calculated MW of 26.7kDa according to NP\_000356.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 0.01-0.03µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

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

### Specific Reference

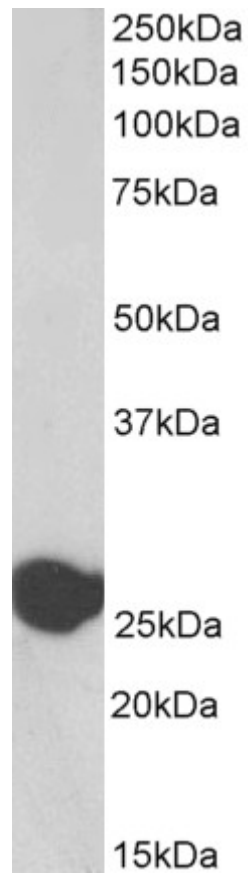
**This antibody has been successfully used in Western blot on Human:**

Berkelman T

Fluorescent Western Blotting: High Sensitivity Detection of Multiple Targets.

Curr Protoc Pharmacol. 2020 Mar;88(1):e72. doi: 10.1002/cpph.72.

PMID: 31951672



Biotinylated EB06643 (0.03 $\mu$ g/ml) staining of Human Liver lysate (35 $\mu$ g protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.