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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 (0.03µg/ml) staining of Human Liver lysate (35µg 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.