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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.

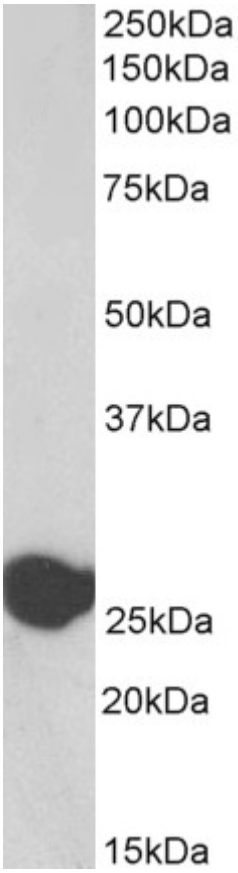
Species Reactivity

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.