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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.