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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; NP_001244955.1

Human GeneID(s): 7167

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

Important Comments: This antibody is expected to recognise reported isoforms 1, 2 and

3 (NP_000356.1; NP_001152759.1, NP_001244955.1.

Immunogen

Peptide with sequence C-LKPEFVDIINAKQ, from the C Terminus of the protein sequence according to NP_000356.1; NP_001152759.1; NP_001244955.1.

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 lysates of cell lines HEK293, HeLa, HepG2, Jurkat, Raw264.7. KNRK and MDCK (calculated MW of 26.7kDa according to Human NP_000356.1). Recommended concentration: 0.001-0.01µg/ml. Primary incubation 1 hour at room temperature. This antibody has been successfully used in WB on Mouse in PMID: 18544163. This antibody has been successfully used in WB on Human in PMID: 17326818.

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

Flow Cytometry: Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human, Mouse, Rat, Dog

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

Specific References

This antibody has been successfully used in Western blot on 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

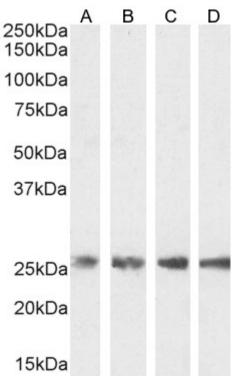
This antibody has been successfully used in Western blot on Human:

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

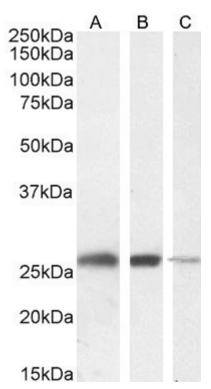
Identification of differentially regulated proteins in a patient with Leber's Congenital Amaurosis--a proteomic study.

Proteome Sci. 2007 Feb 27;5:5.

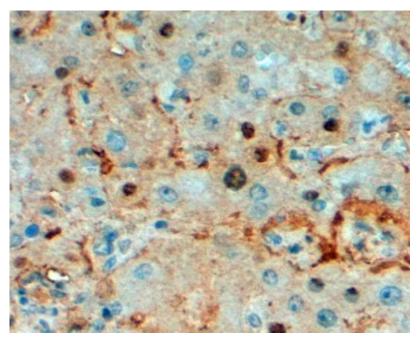
PMID: 17326818



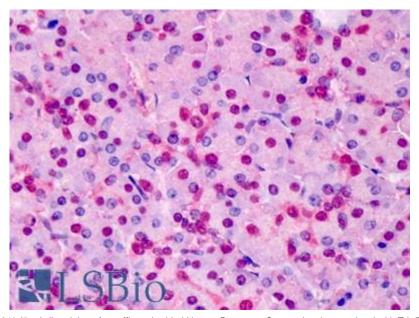
EB06643 (0.001μg/ml) staining of HepG2 (A), HEK293 (B), HeLa (C) and Jurkat (D) cell lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



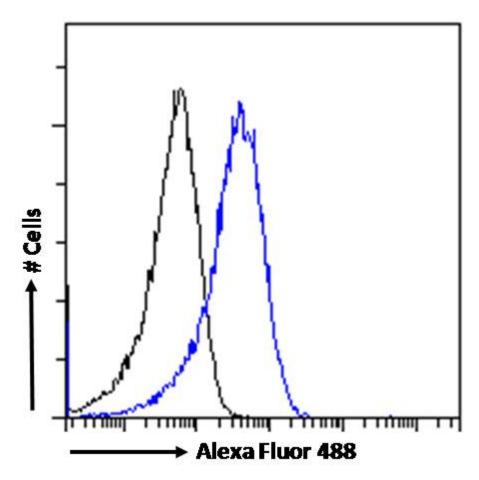
EB06643 (0.001µg/ml) staining of RAW264.7 (A), KNRK (B) and MDCK (C) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



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



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



EB06643 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.