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EB07839 - Goat Anti-PTF1A / PFT1-P48 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PTF1A, PTF1-p48, pancreas specific transcription factor, 1a, bHLH transcription factor p48, class II bHLH protein PTF1A, exocrine pancreas-specific transcription factor p48, p48 DNA-binding subunit of transcription factor PTF1, pancreas transcription factor 1 subunit alpha

Official Symbol: PTF1A

Accession Number(s): NP_835455.1

Human GeneID(s): 256297

Non-Human GeneID(s): 19213 (mouse), 117034 (rat)

Immunogen

Peptide with sequence C-WTDEKQLKEQN, from the internal region of the protein sequence according to NP_835455.1.

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 1:128000.

Western blot: Approx 37kDa observe in Human Pancreas lysates and approx.38-40kDa in lysates of cell lines Jurkat, U2OS and NIH3T3 ,(calculated MW of 35.0kDa according to Human NP_835455.1 and 35.2kDa according to Mouse NP_061279.2). Recommended concentration: 0.5-2µg/ml. Primary incubation 1 hour at room temperature.

Species Reactivity

Tested: Human, Mouse

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

Specific References

This antibody (previous batch) has been successfully used in Western blot in Mouse:

Holmstrom SR, Deering T, Swift GH, Poelwijk FJ, Mangelsdorf DJ, Kliewer SA, MacDonald RJ.

LRH-1 and PTF1-L coregulate an exocrine pancreas-specific transcriptional network for digestive function.

Genes Dev. 2011 Aug 15;25(16):1674-9.

PMID: 21852532

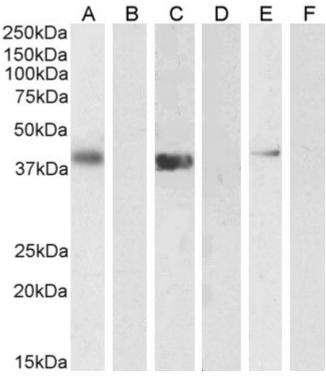
This antibody (previous batch) has been successfully used in ICC in Human and Mouse:

Andreia S. Bernardo, Candy H.-H. Cho, Sharon Mason, Hilary M Docherty, Roger A. Pedersen, Ludovic Vallier and Kevin Docherty.

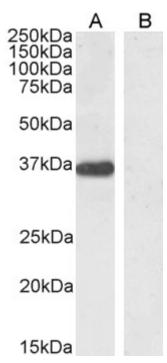
Biphasic Induction of Pdx1 in Mouse and Human Embryonic Stem Cells Can Mimic Development of Pancreatic β -Cells.

Stem Cells. 2009 Feb;27(2):341-51.

PMID: 19056911



EB07839 (1µg/ml) staining of U2OS (A) + peptide (B), (0.5ug/ml) Jurkat (C) + peptide (D) and NIH3T3 (E) + peptide (F) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB07839 (0.5μg/ml) staining of Human Pancreas lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.