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Research Use Only. Not for diagnostic or therapeutic use.

EB06474 - Goat Anti-PPAR delta (Isoform 1) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: PPARD, FAAR, NUC1, NUCI, NR1C2, NUCII, PPARB, MGC3931, PPAR-beta, peroxisome proliferative activated receptor, delta, nuclear hormone receptor 1, peroxisome proliferator-activated receptor delta, OTTHUMP00000016256, OTTHUMP00000016257
Official Symbol: PPARD
Accession Number(s): NP_006229.1
Human GeneID(s): 5467
Important Comments: This antibody is expected to recognise isoform 1 (NP_006229) of PPAR delta, but not isoform 2, a shorter protein (NP_803184) with a different C-terminus.

Immunogen

Peptide with sequence CHPLLQEIYKDMY, from the C Terminus of the protein sequence according to NP_006229.1.

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

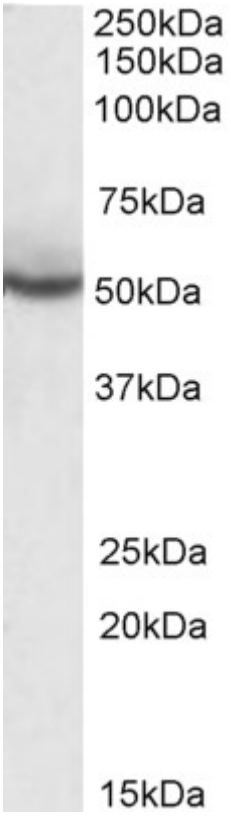
Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Approx 55kDa band observed in T cell line MOLT4 lysates (calculated MW of 49.9kDa according to NP_006229.1). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Mouse, Rat, Pig, Cow

Specific Reference

This antibody (previous batch) has been successfully used in Western blot on Rat:
Minamiyama Y, Takemura S, Kodai S, Shinkawa H, Tsukioka T, Ichikawa H, Naito Y, Yoshikawa T, Okada S
Iron restriction improves type 2 diabetes mellitus in Otsuka Long-Evans Tokushima fatty rats.
Am J Physiol Endocrinol Metab. 2010 Jun; 298(6):E1140-9.
PMID: 20215574



EB06474 (0.3µg/ml) staining of MOLT4 lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.