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# EB08205 - Goat Anti-PTGER3 / EP3 Antibody

Size: 100µg specific antibody in 200µl



#### **Target Protein**

**Principal Names:** PTGER3, EP3, prostaglandin E receptor 3 (subtype EP3), EP3-I, EP3-II, EP3-III, EP3-IV, EP3e, MGC141828, MGC141829, MGC27302, PGE receptor, EP3 subtype, prostaglandin E receptor 3, subtype EP3, prostaglandin E2 receptor,

prostaglandin receptor (PGE-2), pr

Official Symbol: PTGER3

Accession Number(s): NP\_000948.2; NP\_942005.2; NP\_942006.1

Human GeneID(s): 5733

Important Comments: This antibody is expected to recognize isoforms 1, 2 and 3

(NP\_000948.2, NP\_942005.2 and NP\_942006.1).

### **Immunogen**

Peptide with sequence KLLREPCSVQLS, from the C Terminus of the protein sequence according to NP\_000948.2; NP\_942005.2; NP\_942006.1.

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 1:2000.

**Western blot:** Approx 55kDa band observed in Human Adipose, Kidney, Pancreas and Placenta lysates (calculated MW of 47.3kDa according to NP\_000948.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Sung et al, , Cancer Res. 2005 Oct 15;65(20):9304-11; PMID: 16230392).

Recommended concentration: 1-3µg/ml.

# **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB08205 (1 $\mu$ g/ml) staining of Human Adipose lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.