



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB12928 - Goat Anti-PTGES2 (aa292-306) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** PTGES2, prostaglandin E synthase 2, C9orf15, GBF-1, GBF1, PGES2, mPGES-2, GATE-binding factor 1, gamma-interferon-activated transcriptional element-binding factor 1, membrane-associated prostaglandin E synthase 2, microsomal prostaglandin E synthase-2

**Official Symbol:** PTGES2

**Accession Number(s):** NP\_079348.1; NP\_945176.1

**Human GeneID(s):** [80142](#)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_079348.1; NP\_945176.1). Reported variants represent identical protein: NP\_001243264.1, NP\_945176.1.

### Immunogen

Peptide with sequence C-RLKSRHRLQDNVRED, from the internal region of the protein sequence according to NP\_079348.1; NP\_945176.1.

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 30kDa band observed in lysates of cell line HeLa (calculated MW of 41.9kDa according to NP\_079348.1). This molecular weight is routinely observed by other sources. Recommended concentration: 1-3µg/ml.

**IHC:** Paraffin embedded Human Brain (Cortex) and Heart. Recommended concentration: 5µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB12989 (1µg/ml) staining of HeLa lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.

EB12928 (5µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB12928 (5µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.