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

## EB06909 - Goat Anti-GDF15 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** GDF15, PDF, MIC1, PLAB, MIC-1, NAG-1, PTGFB, GDF-15, growth differentiation factor 15, PTGF-beta, prostate differentiation factor, NSAID (nonsteroidal anti-inflammatory drug)-activated protein 1

**Official Symbol:** GDF15

**Accession Number(s):** NP\_004855.2

**Human GeneID(s):** [9518](#)

### Immunogen

Peptide with sequence C-QKTDGTGVS LQTYDD, from the C Terminus of the protein sequence according to NP\_004855.2.

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 35kDa band observed in Human Prostate lysates and in lysates of cell lines A549, CaCo-2 and LNCaP (calculated MW of 34.1kDa according to NP\_004855.2). An additional band was seen at 48kDa in some lysates and was successfully blocked by incubation with the immunizing peptide. Recommended concentration 0.1-0.5µg/ul. Primary incubation 1 hour at room temperature.

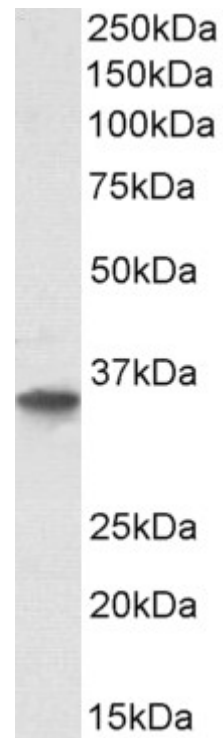
**IHC:** Paraffin embedded Human Placenta. Recommended concentration: 7µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HeLa cells. Recommended concentration: 10µg/ml.

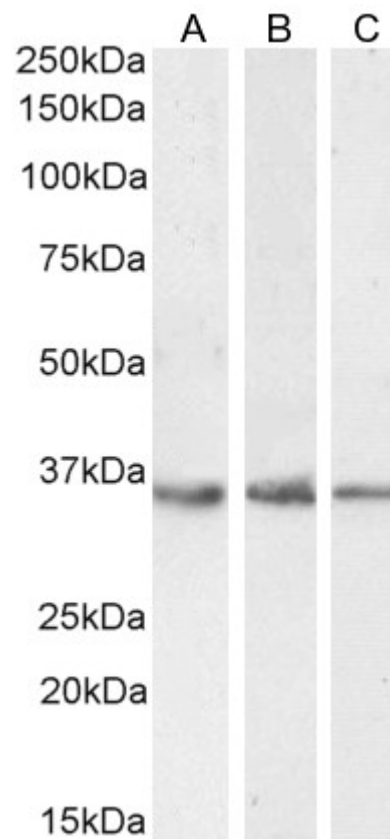
### Species Reactivity

**Tested:** Human

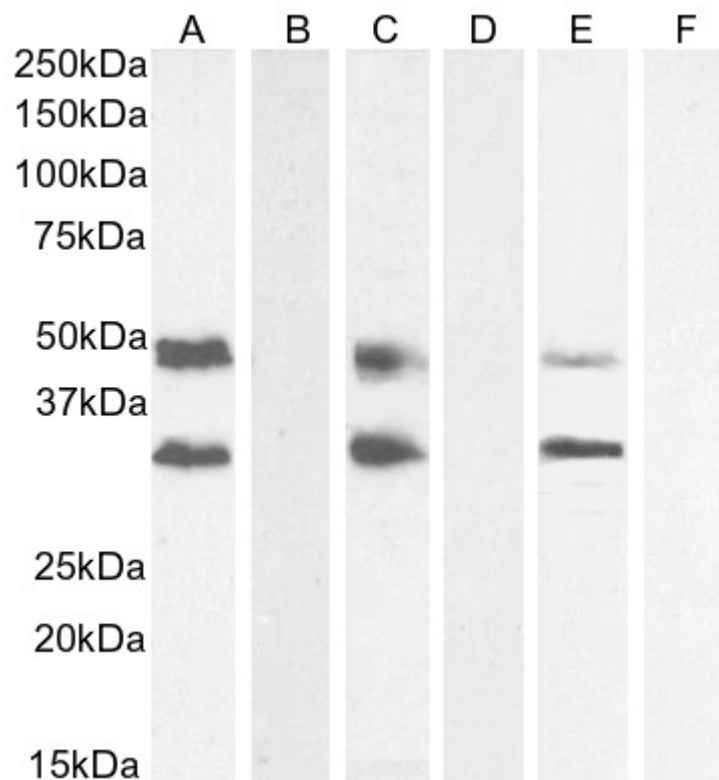
**Expected from sequence similarity:** Human



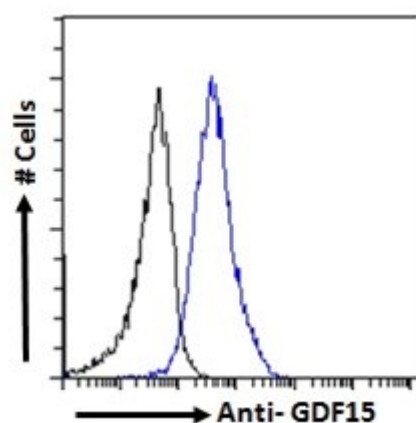
EB06909 (0.5µg/ml) staining of Human Prostate lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



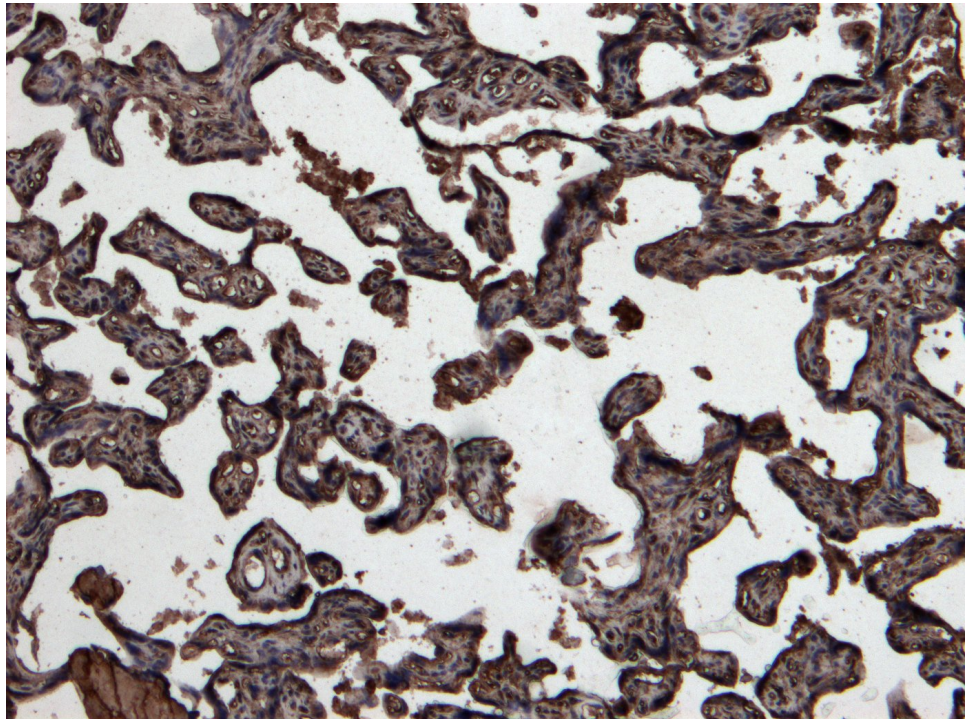
EB06909 (0.1µg/ml) staining of A549 lysate 1 (A), CaCo-2 lysate 1 (B) and (0.3µg/ml) LNCaP lysate 1 (C) (35µg protein in RIPA buffer). Detected by chemiluminescence.



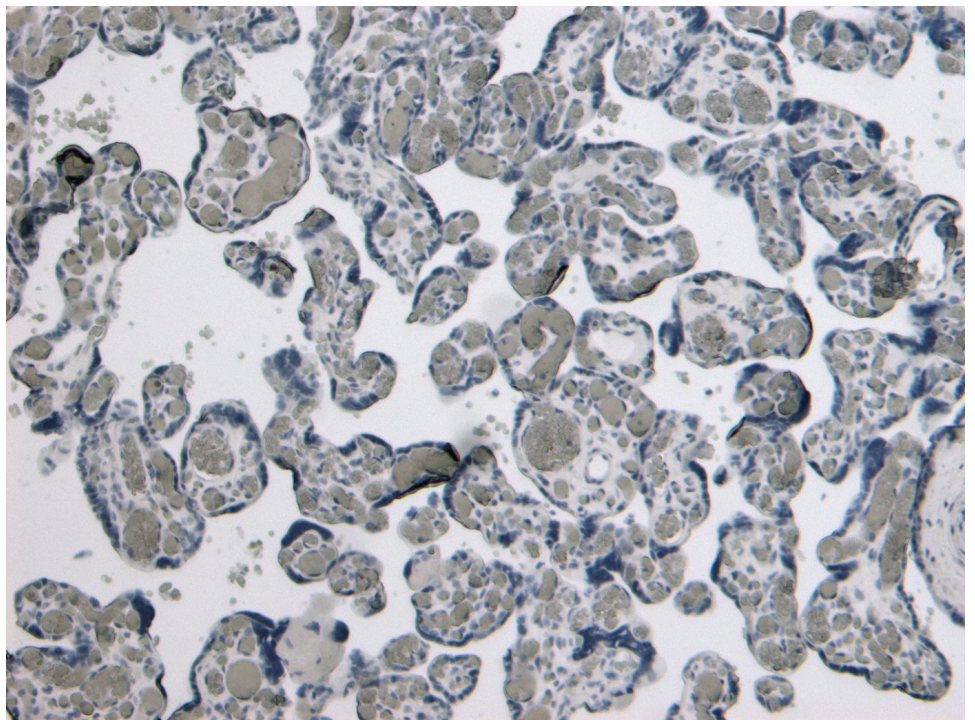
EB06909 (0.3ug/ml) staining of A549 lysate 2 (A) + peptide (B), CaCo-2 lysate 2 (C) + peptide (D), LNCaP lysate 2 (E) + peptide (F) (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB06909 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.



EB06909 (7µg/ml) staining of paraffin embedded Human Placenta. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB06909 Negative Control showing staining of paraffin embedded Human Placenta, with no primary antibody.