

#### **UK Office**

**Everest Biotech Ltd** 

Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire

UK

Enquiries:

**OX25 5HD** 

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

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-QKTDTGVSLQTYDD, from the C Terminus of the protein sequence according to NP\_004855.2.

Please note the <u>peptide</u> 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 30-35 kDa band observed in Human Testis lysates (calculated MW of 34.1kDa according to NP\_004855.1). Recommended concentration: 0.1-0.3μg/ml. Primary incubation 1 hour at room temperature. **Negative Control:** Human Skin lysate. In transfected HEK293 transiently expressing GDF15 a band of approx. 35 kDa is observed. This band is not observed in the non-transfected HEK293.

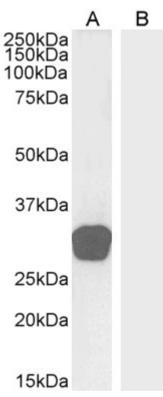
**IHC:** Paraffin embedded Human Prostate and Placenta. Recommended concentration: 5µg/ml.

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

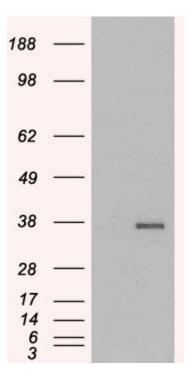
# **Species Reactivity**

Tested: Human

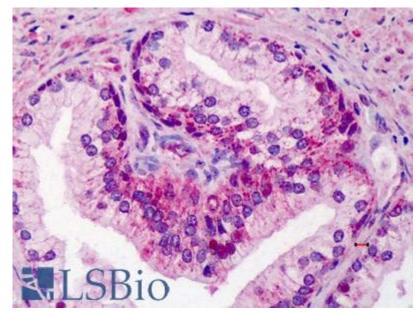
Expected from sequence similarity: Human, Mouse, Rat



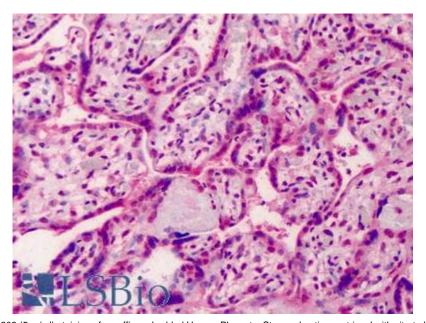
EB06909 (0.3μg/ml) staining of Human Testes (A) and negative control Skin (B) lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



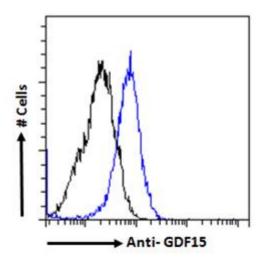
HEK293 overexpressing GDF15 (RC201295) and probed with EB06909 (mock transfection in first lane), tested by Origene.



EB06909 ( $5\mu g/ml$ ) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06909 (5 $\mu$ g/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



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.