

## UK Office

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

## EB11834 - Goat Anti-Fgf14 (mouse N terminus) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** Fgf14, FGF-14, Fhf4, FHF-4, fibroblast growth factor 14, fibroblast growth factor homologous factor 4, mFHF-4(1B)

**Official Symbol:** Fgf14

**Accession Number(s):** NP\_034331.2; NP\_997550.1

**Human GeneID(s):** [2259](#)

**Non-Human GeneID(s):** 14169 (mouse), 63851 (rat)

**Important Comments:** This antibody is expected to recognize mouse isoform a (NP\_034331.2) and human isoform 1A (NP\_004106.1).

### Immunogen

Peptide with sequence REQHWDRPSASR-C, from the N Terminus of the protein sequence according to NP\_034331.2; NP\_997550.1.

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 28kDa band observed in Mouse and Human Brain lysates (calculated MW of 28.3kDa according to NP\_997550.1 and 27.7kDa according to NP\_034331.2). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

**IHC:** Cryosection of immersion-fixed (1% PFA/0.5% methanol) Human Hypothalamus. Optimal dilution: 1:5000. \*Vibratome prepared sample for optimal labelling.

### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow

EB11834 (1µg/ml) staining of Mouse Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB11834 (1:5000) immunostaining of FGF14-positive axon initial segments in cryosection of an immersion-fixed (1% PFA/0.5% methanol) human hypothalamus\*. Antigen retrieval with citrate buffer pH 6 at 80C for 30min.

HRP-staining with Ni-DAB, after Biotin-SP-anti-goat (IgG) method. Data obtained by Drs. Éva Rumpler and Erik Hrabovszky, Inst, Exp, Med, Budapest, Hungary.