



## UK Office

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

## EB05473-T - Goat Anti-KLF4 / GKLF Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** KLF4, GKLF, Kruppel-like factor 4 (gut), EZF, endothelial Kruppel-like zinc finger protein

**Official Symbol:** KLF4

**Accession Number(s):** NP\_004226.2

**Human GeneID(s):** [9314](#)

### Immunogen

Peptide with sequence AVSDALLPSFST-C, from the N Terminus of the protein sequence according to NP\_004226.2.

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 1:64000.

**Western blot:** Experiments gave strong bands at 75-90kDa and a faint 50-kDa band in Human Duodenal lysate after 0.1µg/ml antibody staining. These bands correspond to earlier findings in literature (Piccinni et al, J. Biol. Chem., Vol. 279 (10), 9103-9114). All these bands were successfully blocked by incubation with the immunizing peptide. Recommended concentration: 0.1-0.3µg/ml.

### Species Reactivity

**Tested:** Human

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

EB05473 (0.1µg/ml) staining of Human Duodenum lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.