

#### International Office

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Research Use Only. Not for diagnostic or therapeutic use.

## EB06962 - Goat Anti-EGFR Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** EGFR, epidermal growth factor receptor, erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian, HGNC:3236, ERBB, ERBB1, mENA, avian erythroblastic leukemia viral (v-erb-b) oncogene homolog, epidermal growth factor receptor, epidermal growth factor receptor (avian erythroblastic leukemia viral (v-erb-b) oncogene homolog), truncated epidermal growth factor receptor

Official Symbol: EGFR

Accession Number(s): NP\_005219.2

Human GeneID(s): 1956

Important Comments: This antibody is expected to recognise isoform a (NP\_005219.2)

only.

### **Immunogen**

Peptide with sequence C-QKGSHQISLDNPD, from the internal region of the protein sequence according to NP 005219.2.

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 170kDa band observed in lysates of cell line HeLa (calculated MW of 134kDa according to NP\_005219.2). The observed molecular weight corresponds to the glycosylated form. Recommended concentration: 0.1-0.3µg/ml.

**Additional validation:** This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

# **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human

### **Specific Reference**

### This antibody has been successfully used in the following paper:

Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen

A high-throughput pipeline for validation of antibodies

Nat Methods. 2018 Nov;15(11):909-912

PMID: 30377371

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB06962 (0.1 $\mu$ g/ml) staining of HeLa lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.