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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-QKGSQISLDNPD, 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

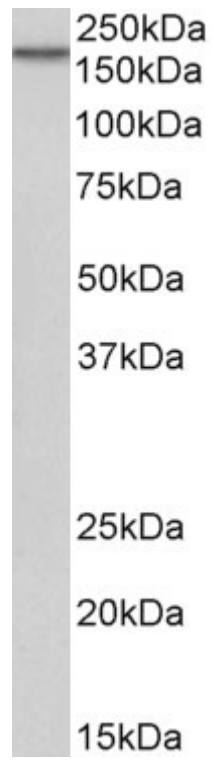
This antibody has been successfully used in the following paper:

Krzysztof Sikorski, Adi Mehta, Marit Inngjerdengen, 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



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