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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.

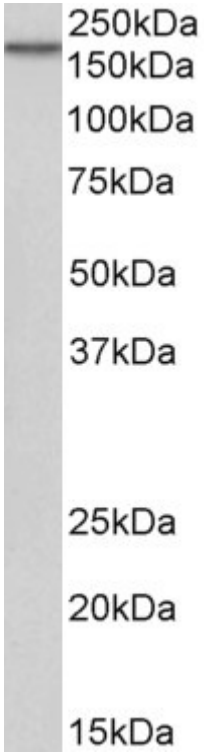
Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

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



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