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Research Use Only. Not for diagnostic or therapeutic use.

EB11752 - Goat Anti-Pro-EGF Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: beta-urogastrone, EGF, epidermal growth factor, HOMG4, OTTHUMP00000162922, OTTHUMP00000219721, OTTHUMP00000219722,

pro-epidermal growth factor, URG

Official Symbol: EGF

Accession Number(s): NP_001954.2; NP_001171601.1; NP_001171602.1

Human GeneID(s): 1950

Important Comments: This antibody is expected to recognize all reported isoforms (NP_001954.2; NP_001171601.1; NP_001171602.1), but not the mature form. The immunizing peptide represents part of the extracellular domain.

Immunogen

Peptide with sequence SRQERVCNIEKNVS, from the internal region (near the N terminus) of the protein sequence according to NP_001954.2; NP_001171601.1; NP_001171602.1.

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 160kDa double band observed in Human Prostate lysates (calculated MW of 134kDa according to NP_001954.2). The two bands represent glycosylated forms of the mature protein. Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

 $\textbf{IHC:} \ Paraffin \ embedded \ Human \ Skin. \ Recommended \ concentration: 5 \mu g/ml.$

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Dog

250kDa 150kDa 100kDa 75kDa

50kDa

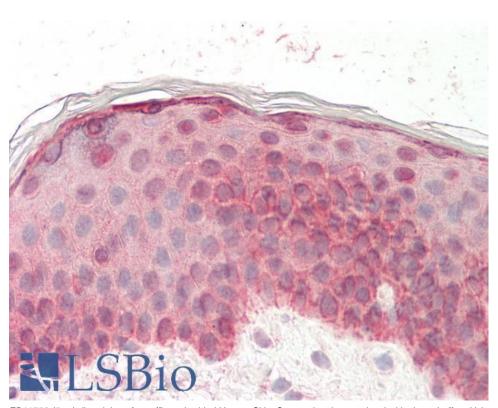
37kDa

25kDa

20kDa

15kDa

EB11752 (1 μ g/ml) staining of Human Prostate lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB11752 ($5\mu g/ml$) staining of paraffin embedded Human Skin. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.