



Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD, UK

www.everestbiotech.com

info@everestbiotech.com
sales@everestbiotech.com

Tel +44 1869 238326
Fax +44 1869 238327

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

Storage: Aliquot and store at
-20°C. Minimize freezing and
thawing.

Product: EB07081 – Goat anti-ERG antibody

Target Protein

Principal Names: ERG; v-ets erythroblastosis virus E26 oncogene like (avian) ; HGNC:3446; erg-3; p55; transcriptional regulator ERG (transforming protein ERG); v-ets avian erythroblastosis virus E26 oncogene related; v-ets erythroblastosis virus E26 oncogene like

Official Gene Symbol: ERG

Accession Number(s): NP_891548.1; NP_004440.1

Human Gene ID(s): 2078

Non-Human GeneID(s): 13876 (mouse); 170909 (rat);

This antibody is expected to recognise both reported isoforms (NP_891548.1; NP_004440.1)

Immunogen

Peptide with sequence C-PNTRLPTSHMPSH, from the C Terminus of the protein sequence according to NP_891548.1; NP_004440.1

Purification

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16,000. Western Blot: Preliminary experiments in lysates of cell lines HEK293, A431 and Jurkat gave no specific signal but low background (at antibody concentration up to 1µg/ml). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates?

Immunohistochemistry: In paraffin embedded Prostate shows nucleolar staining in some of the epithelial cells. Recommended concentration, 10-20µg/ml.

Species Reactivity

Tested: Human

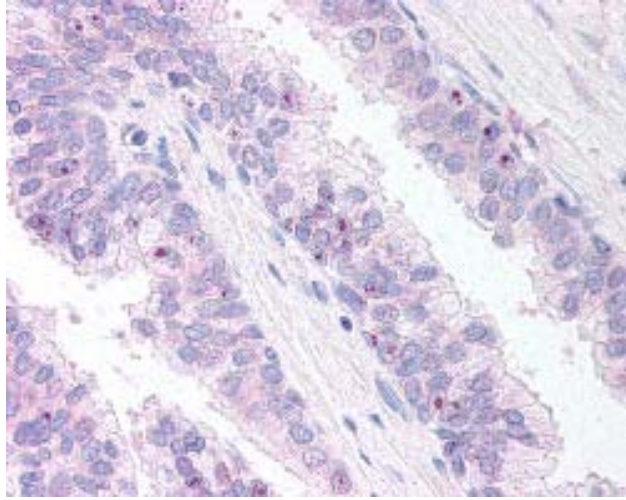
Expected from sequence similarity: Human, Mouse, Rat

Background Reference

Tomlins SA, Rhodes DR, Perner S, Dhanasekaran SM, Mehra R, Sun XW, Varambally S, Cao X, Tchinda J, Kuefer R, Lee C, Montie JE, Shah RB, Pienta KJ, Rubin MA, Chinnaiyan AM.

Recurrent fusion of TMPRSS2 and ETS transcription factor genes in prostate cancer. Science. 2005 Oct 28;310(5748):644-8.

PMID: 16254181



EB07081 (10µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.