

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB07081 - Goat Anti-ERG Antibody

Size: 100µg specific antibody in 200µl



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, v-ets erythroblastosis virus E26 oncogene homolog (avian), OTTHUMP00000115970, OTTHUMP00000208036, TMPRSS2-ERG prostate cancer specific. ets-related

Official Symbol: ERG

Accession Number(s): NP_891548.1; NP_004440.1; NP_001129626.1;

NP_001129627.1; NP_001230358.1|

Human GeneID(s): 2078

Non-Human GenelD(s): 13876 (mouse), 170909 (rat)

Important Comments: This antibody is expected to recognise all reported isoforms (NP_891548.1; NP_004440.1; NP_001129626.1; NP_001129627.1; NP_001230358.1)

Immunogen

Peptide with sequence C-PNTRLPTSHMPSH, from the C Terminus of the protein sequence according to NP_891548.1; NP_004440.1; NP_001129626.1; NP_001129627.1; NP_001230358.1|.

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 1:16000.

Western blot: Approx 55kDa band observed in lysates of cell line MOLT4 (calculated MW of 53.8kDa according to NP_891548.1). Recommended concentration: 0.1-0.3μg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Expression of the protein seen in the nucleus and cytoplasm of MCF7 cells. Recommended concentration: $10\mu g/ml$.

Flow Cytometry: Flow cytometric analysis of MCF7 cells. Recommended concentration: 10ug/ml.

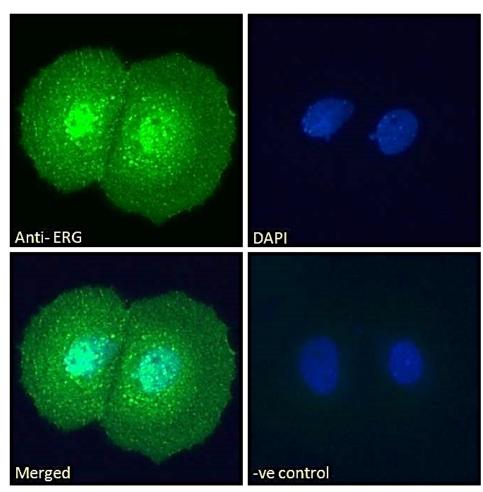
Species Reactivity

Tested: Human

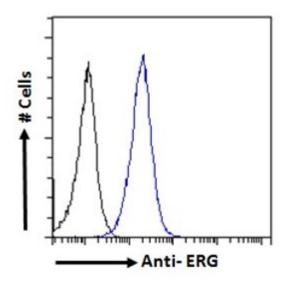
Expected from sequence similarity: Human



 $EB07081 \; (0.1 \mu g/ml) \; staining \; of \; MOLT4 \; lysate \; (35 \mu g \; protein \; in \; RIPA \; buffer). \; Detected \; by \; chemilumine scence.$

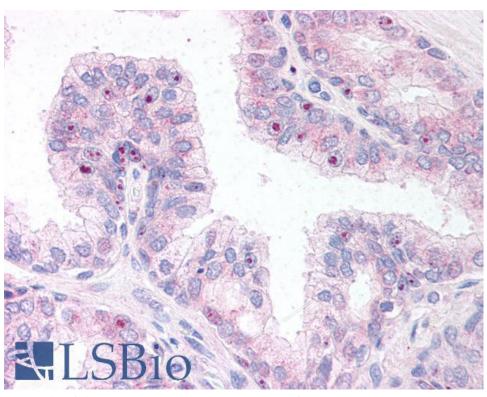


EB07081 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07081 Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB07081 (10μg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. This data is from a previous batch, not on sale.