



## International Office

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**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 GeneID(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-PNTRLPTSHMP SH, 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.

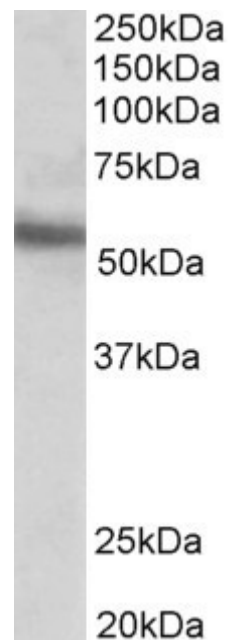
**Immunofluorescence:** Expression of the protein seen in the nucleus and cytoplasm of MCF7 cells. Recommended concentration: 10µg/ml.

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

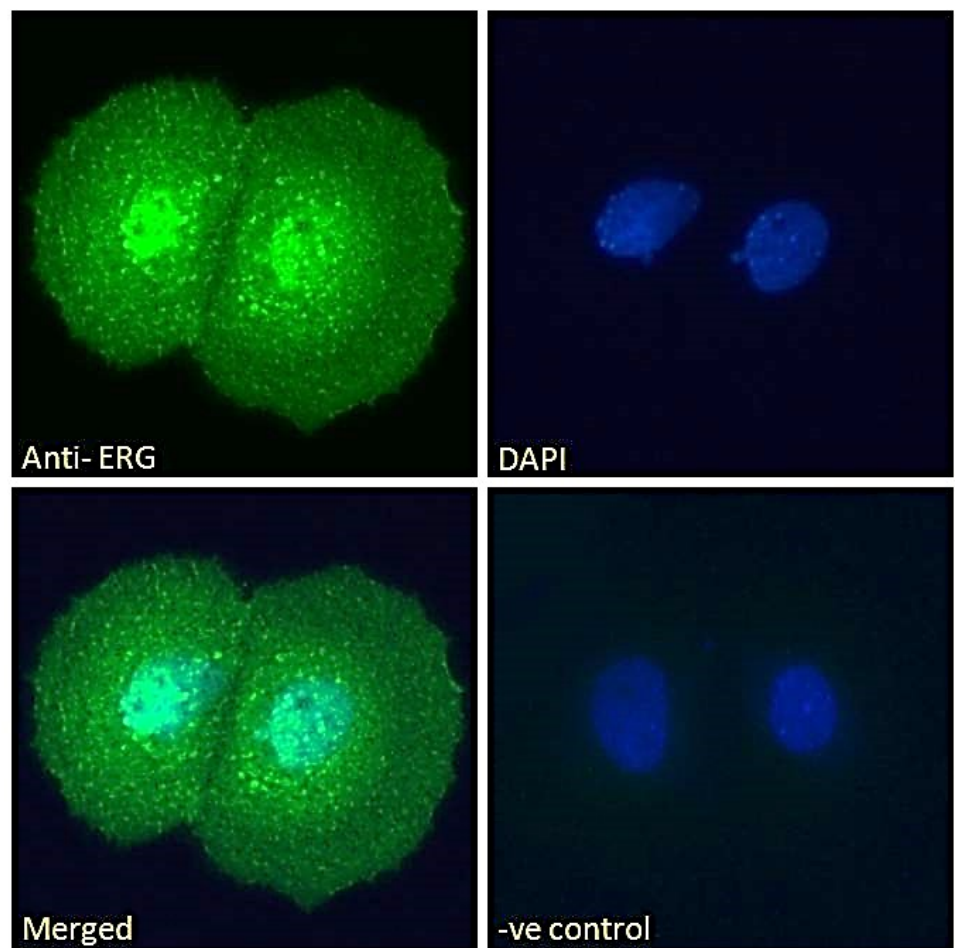
### Species Reactivity

**Tested:** Human

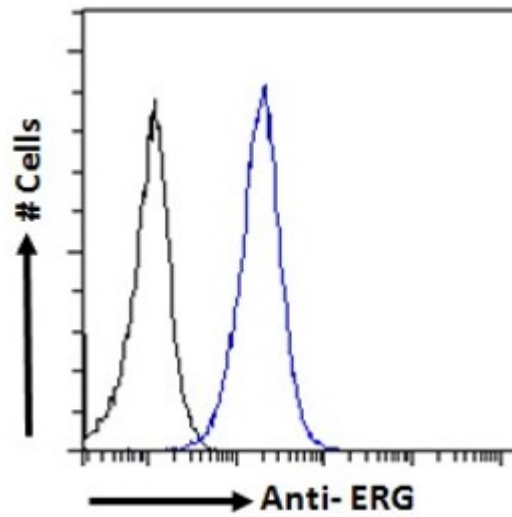
**Expected from sequence similarity:** Human



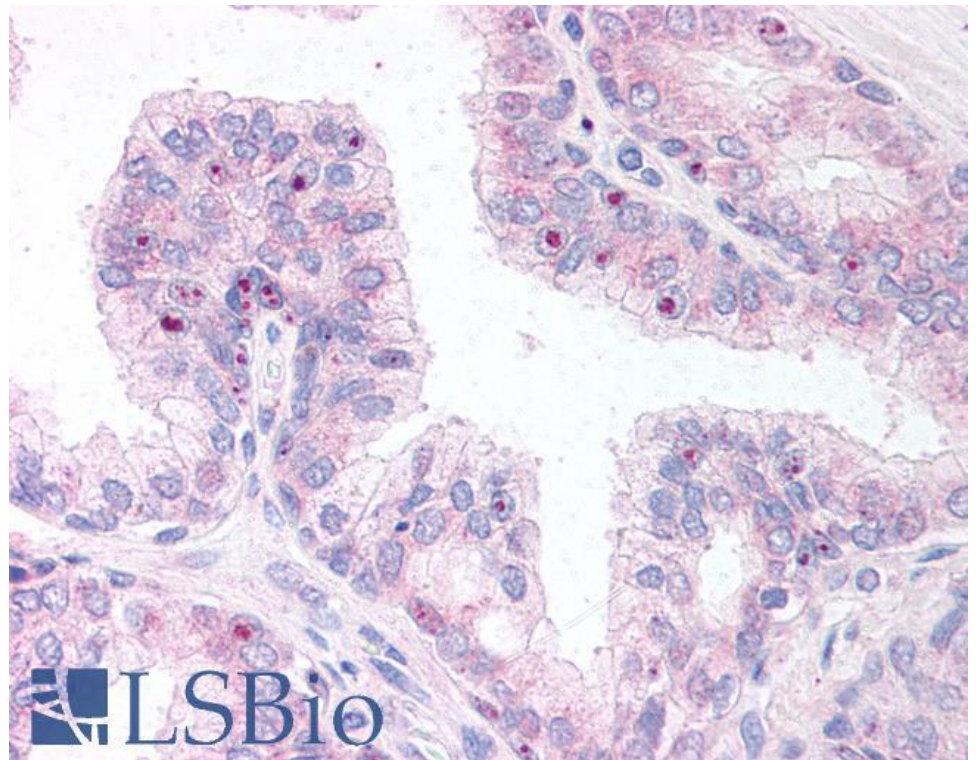
EB07081 (0.1 $\mu$ g/ml) staining of MOLT4 lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



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