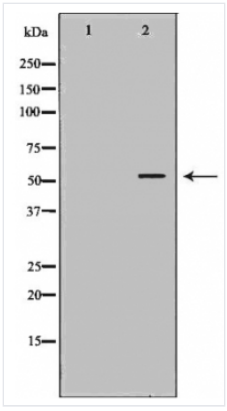
ERG Antibody

PRODUCT OVERVIEW

Product Name	ERG, Antibody
Full Product Name	ERG Antibody
Product Gene Name	anti-ERG antibody
Product Synonym Names	ERG; erg-3; p55
Species Reactivity	Human, Mouse, Rat
Form/Format	In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Immunogen affinity purified
Specificity	ERG Antibody detects endogenous levels of total ERG
Preparation and Storage	Store at-20 degree C for 1 year
Molecular Weight	55kDa
OMIM	165080
3D Structure	ModBase 3D Structure for P11308
Immunogen	Recombinant protein of human ERG
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ERG antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-ERG antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-ERG antibody	This gene encodes a member of the erythroblast transformation-specific (ETS) family of transcriptions factors.
Other Notes	Small volumes of anti-ERG antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ERG purchase	MBS8516236 is an antibody targeting ERG. Also known as ERG Antibody. Reactive in Human, Mouse, Rat.



Western Blot (WB) of anti-ERG antibody
Western blot analysis of extracts f MCF7 cell and Jurkat cell using ERG antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ERG. It may not necessarily be applicable to this product.

NCBI GI #	209954797
NCBI GeneID	2078
NCBI Accession #	NP_001129626.1
UniProt Primary Accession #	P11308
UniProt Secondary Accession #	Q16113; Q6XXX4; Q6XXX5; Q8IXK9; B4DTW5; B4E0T4
UniProt Related Accession #	P11308
GenBank Nucleotide #	NM_001136154.1
NCBI Official Full Name	transcriptional regulator ERG isoform 3
NCBI Official Synonym Full Names	ERG, ETS transcription factor
NCBI Official Symbol	ERG
NCBI Official Synonym Symbols	p55; erg-3
UniProt Protein Name	Transcriptional regulator ERG
UniProt Synonym Protein Names	Transforming protein ERG
Protein Family	Delta(14)-sterol reductase
UniProt Gene Name	ERG
NCBI Protein Information	transcriptional regulator ERG
NCBI Summary for ERG	This gene encodes a member of the erythroblast transformation-specific (ETS) family of transcriptions factors. All members of this family are key regulators of embryonic development, cell proliferation, differentiation, angiogenesis, inflammation, and apoptosis. The protein encoded by this gene is mainly expressed in the nucleus. It contains an ETS DNA-binding domain and a PNT (pointed) domain which is implicated in the self-association of chimeric oncoproteins. This protein is required for platelet adhesion to the subendothelium, inducing vascular cell remodeling. It also regulates hematopoesis, and the differentiation and maturation of megakaryocytic cells. This gene is involved in chromosomal translocations, resulting in different fusion gene products, such as TMPSSR2-ERG and NDRG1-ERG in prostate cancer, EWS-ERG in Ewing's sarcoma and FUS-ERG in acute myeloid leukemia. More than two dozens of transcript variants generated from combinatorial usage of three alternative promoters and multiple alternative splicing events have been reported, but the full-length nature of many of these variants has not been determined. [provided by RefSeq, Apr 2014]
UniProt Comments for ERG	Transcriptional regulator. May participate in transcriptional regulation through the recruitment of SETDB1 histone methyltransferase and subsequent modification of local chromatin structure.
Research Articles on ERG	**1.** ERG expression is lost in liver endothelial cells from cirrhotic patients with fibrosis related to alcoholic liver disease or primary biliary cirrhosis and inversely correlates with increased markers of endothelial-to-mesenchymal transition.
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