

ERG Antibody

Catalog No: #32251



Package Size: #32251-1 50ul #32251-2 100ul

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Support: tech@signalwayantibody.com

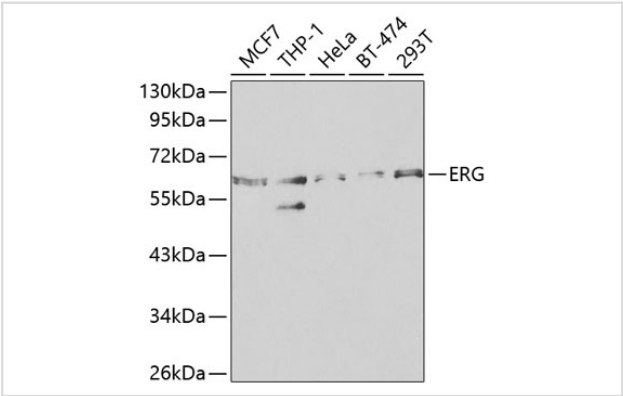
Description

Product Name	ERG Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous level of total ERG protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human ERG (NP_891548.1).
Conjugates	Unconjugated
Target Name	ERG
Other Names	ERG;erg-3;p55
Accession No.	Uniprot:P11308GeneID:2078
SDS-PAGE MW	60kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB 1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using ERG antibody.

Background

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 hematopoiesis, 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.