

ERG Monoclonal Antibody

Catalog No.	A10855	Category	Monoclonal Antibodies
Applications	WB, IHC, IF	Observed MW	55kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	35kDa/36kDa/41kDa/52kDa/53kDa/54kDa

Immunogen Information

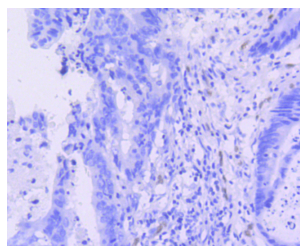
Immunogen	Recombinant protein of human ERG
Gene ID	2078
Swiss prot	P11308
Synonyms	ERG; erg-3; p55; transcriptional regulator ERG

Product information

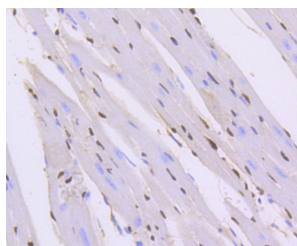
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

This gene encodes a member of the erythroblast transformation-specific (ETS) family of transcription 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.



Immunohistochemistry - ERG Monoclonal Antibody (A10855)



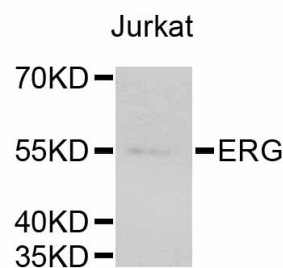
Immunohistochemistry - ERG Monoclonal Antibody (A10855)

Recommended Dilutions

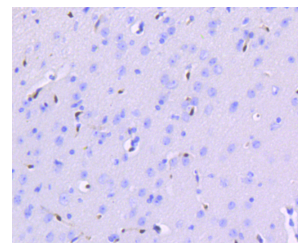
WB 1:500 -
1:2000

IHC 1:50 -
1:200

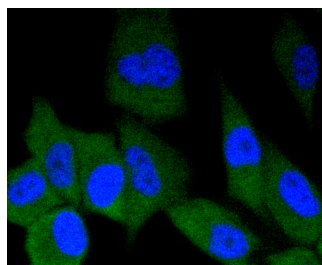
IF 1:50 -
1:200



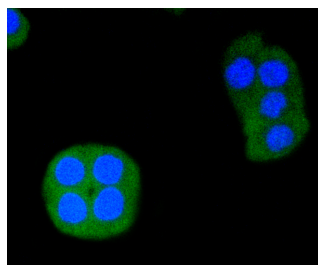
Western blot - ERG Monoclonal Antibody (A10855)



Immunohistochemistry - ERG Monoclonal Antibody (A10855)



Immunofluorescence - ERG Monoclonal Antibody (A10855)



Immunofluorescence - ERG Monoclonal Antibody (A10855)