

Mouse anti-Human ERG Monoclonal Antibody | anti-ERG antibody

ERG (Vascular Endothelial & Prostate Marker) Mouse Monoclonal Antibody [Clone ERG/2107]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215618	Mouse	Human	Immunohistochemistry

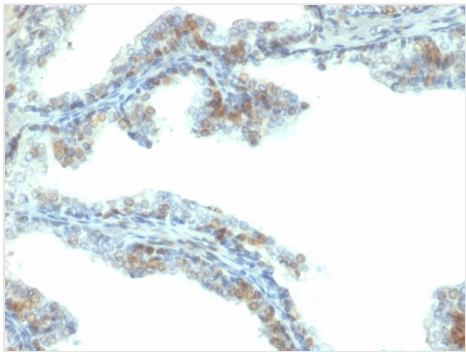
PRODUCT SYNONYMS

ERG; Monoclonal Antibody; ERG (Vascular Endothelial & Prostate Marker) Mouse Monoclonal Antibody [Clone ERG/2107]; ERG (Vascular Endothelial & Prostate Marker); ERG/EWS fusion gene; ERG/FUS fusion gene; ERG/TMPSSR2 fusion gene; ERG1; ETS-related; KCNH2; Oncogene ERG; p55; TMPRSS2/ERG fusion; anti-ERG antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b, kappa
Clone Number	ERG/2107
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-ERG antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant human full-length ERG protein
Cellular Localization	Nucleus
Positive Control	HUVEC cells. Human tonsil, Ewing sarcoma or prostate adenocarcinoma tissues.
Hu-chromosome Location	21q22.2
Unigene	473819
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human prostate carcinoma stained with ERG Mouse Monoclonal Antibody (ERG/2107).

ADDITIONAL INFORMATION

Related Product Information for anti-ERG antibody	The transcription factor erythroblastosis virus E26 transforming sequence related gene (ERG) functions as a regulator of key cellular functions to promote endothelial homeostasis. Expression of ERG has been observed in both benign and malignant vascular endothelial tumors, such as hemangiomas and Kaposi sarcomas, respectively. Carcinomas of the breast, colon, and urothelium have demonstrated absence of ERG expression, whereas presence of the protein has been confirmed in a subset of prostate carcinoma cases. Anti-ERG can be a useful tool for identifying vascular endothelial neoplasms and distinguishing prostate carcinoma from epithelial tumors of non-prostatic origin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	152031600
NCBI GeneID	2078
UniProt Accession #	P11308; Q16113; Q6XXX4; Q6XXX5; Q8IXK9; B4DTW5; B4E0T4
Molecular Weight	486
NCBI Official Full Name	Transcriptional regulator ERG
NCBI Official Synonym Full Names	v-ets avian erythroblastosis virus E26 oncogene homolog
NCBI Official Symbol	ERG
NCBI Official Synonym Symbols	p55; erg-3
NCBI Protein Information	transcriptional regulator ERG; ets-related; TMPRSS2/ERG fusion; v-ets erythroblastosis virus E26 oncogene like; v-ets erythroblastosis virus E26 oncogene homolog; v-ets avian erythroblastosis virus E26 oncogene related; transcriptional regulator ERG (tran
UniProt Protein Name	Transcriptional regulator ERG
UniProt Gene Name	ERG
UniProt Entry Name	ERG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.