



Rabbit Anti-Human ERG Monoclonal Antibody, clone CQ7238 (CABT-Z282R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Synthetic peptide corresponding to residues within aa450 to C-terminus of ERG was used as an immunogen.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	CQ7238
Purification	ProA affinity purified IgG.
Conjugate	Unconjugated
Applications	IHC-P Recommended concentration: IHC-P: 1:100-1:200
Molecular Weight	55 kDa
Cellular Localization	Nucleus
Positive Control	Appendix
Format	Liquid
Concentration	Lot specific
Size	100 µl

Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Preservative	0.01% Sodium azide
Storage	Store at -20 °C. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	<p>ERG (ETS-related gene) is a proto-oncogene, a member of the ETS family of transcription factors. The ERG gene encodes for a nuclear protein, also called ERG, which is involved in hematopoietic and endothelial development. ERG remains constitutually expressed in endothelial cells in blood and lymphatic vessels, and in bone marrow stem cells.</p> <p>ERG is expressed in virtually all endothelial neoplasms including haemangioendothelioma, angiosarcoma and Kaposi sarcoma. ERG is overexpressed secondary to gene rearrangement in cases of prostate adenocarcinoma, gastrointestinal stromal tumour, synovial sarcoma, meningioma, epithelioid sarcoma, malignant rhabdoid tumour, acute myeloid leukemia and blastic extramedullary myeloid tumor, and rarely Ewing sarcoma / primitive peripheral neuroectodermal tumour, chondrosarcoma, osteosarcoma, and rhabdomyosarcoma.</p> <p>For the identification of endothelial differentiation ERG seems more sensitive and specific than any other marker. Moreover, the interpretation is often easier due to the nuclear reaction, which also allows for double stains with cytoplasmic markers like podoplanin. Among carcinomas, ERG is highly specific for prostate, while the sensitivity is moderate.</p>
Keywords	<p>ERG; v-ets avian erythroblastosis virus E26 oncogene homolog; p55; erg-3; 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</p>

GENE INFORMATION

Gene Name	ERG
Entrez Gene ID	2078
UniProt ID	P11308