Recombinant ERG / ETS Transcription Factor (Prostate Cancer Marker) Antibody

Rabbit Monoclonal Antibody [Clone ERG/13423R]

Catalog No	Format	Size
2078-RBM14-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2078-RBM14-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2078-RBM14-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

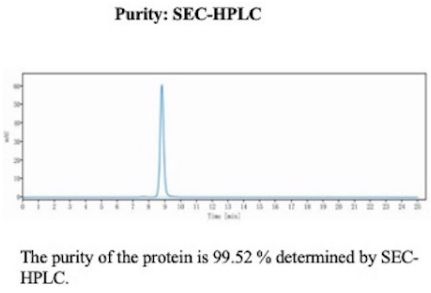
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

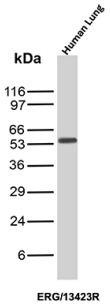
Clone	ERG/13423R
Immunogen	Recombinant fragment (around aa1-479) of the human ERG protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	53.84kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Guinea Pig, Hamster, Human, Mouse, Rabbit, Rat
Positive Control	Human tonsil, Ewing sarcoma or prostate adenocarcinoma., Human Lung

**Optimal dilution for a specific application should be determined.*

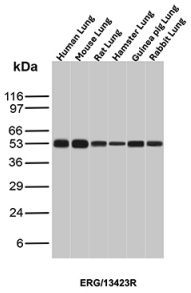
Product Images for Recombinant ERG / ETS Transcription Factor (Prostate Cancer Marker) Antibody



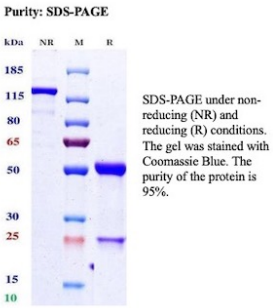
SEC-HPLC Analysis of Purified ERG Recombinant Rabbit Monoclonal Antibody(ERG/13423R). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Lung tissue lysate using ERG Recombinant Rabbit Monoclonal Antibody (ERG/13423R).



Western Blot Analysis of Human Lung, Mouse Lung, Rat Lung, Hamster Lung, Guinea pig Lung, and Rabbit Lung tissue lysates using ERG Recombinant Rabbit Monoclonal Antibody (ERG/13423R).



SDS-PAGE under non-reducing (NR) and reducing (R) conditions. The gel was stained with Coomassie Blue. The purity of the protein is 95%.

SDS-PAGE Analysis of Purified ERG Recombinant Rabbit MonoclonalAntibody (ERG/13423R). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

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 constitually expressed in endothelial cells in blood and lymphatic vessels, and in bone marrow stem cells. ERG is expressed in virtually all endothelial neoplasms including hemangioendothelioma, angiosarcoma and Kaposi sarcoma. ERG is overexpressed secondary to gene rearrangement in cases of prostate adenocarcinoma, gastrointestinal stromal tumor, synovial sarcoma, meningioma, epithelioid sarcoma, malignant rhabdoid tumor, acute myeloid leukemia and blastic extramedullary myeloid tumor, and rarely Ewing sarcoma / primitive peripheral neuroectodermal tumor, chondrosarcoma, osteosarcoma, and rhabdomyosarcoma. 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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.