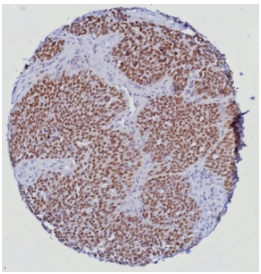
ETS-related gene Antibody / Transcriptional regulator ERG [clone ERG/6980] (V4841)

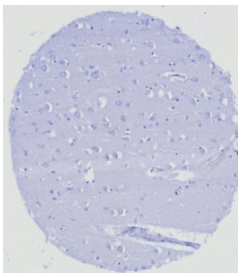
Catalog No.	Formulation	Size
V4841-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4841-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4841SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

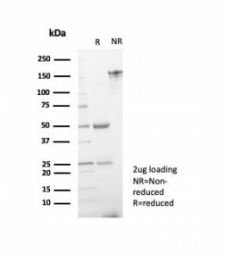
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, lambda
Clone Name	ERG/6980
Purity	Protein A/G affinity
UniProt	P11308
Localization	Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This ETS-related gene antibody is available for research use only.



ETS-related gene Antibody Prostate IHC. Immunohistochemistry staining of FFPE human prostate tissue with ETS-related gene antibody (clone ERG/6980) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



ETS-related gene Antibody Brain Negative Control IHC. Immunohistochemistry testing of FFPE human brain tissue with ETS-related gene antibody (clone rERG/6483) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free ETS-related gene antibody (clone ERG/6980) as confirmation of integrity and purity.

Description

ETS-related gene Antibody detects ERG (ETS-related gene), 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 constitutively 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.

A microarray-validated ERG antibody for IHC applications is available.

Application Notes

Optimal dilution of the ETS-related gene antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 450-479) from the human protein was used as the immunogen for the ETS-related gene antibody.

Storage

Aliquot the ETS-related gene antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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