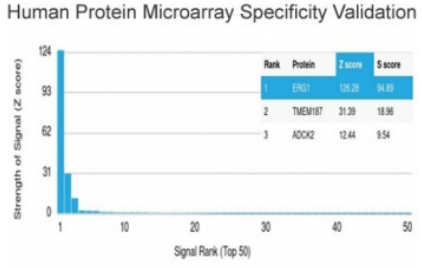
ERG Antibody / Transcriptional regulator ERG [clone ERG/2107] (V8982)

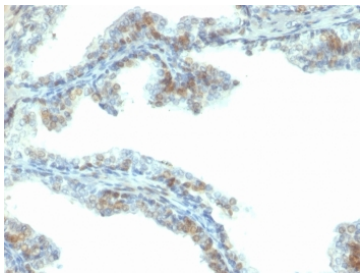
Catalog No.	Formulation	Size
V8982-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8982-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8982SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	ERG/2107
Purity	Protein A/G affinity
UniProt	P11308
Localization	Nucleus, cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This ERG antibody is available for research use only.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using ERG antibody (clone ERG/2107). These results demonstrate the foremost specificity of the ERG/2107 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



IHC staining of FFPE human prostate carcinoma tissue with ERG antibody (clone ERG/2107). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

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.

Application Notes

Optimal dilution of the ERG antibody should be determined by the researcher.

Immunogen

Recombinant human full-length ERG protein was used as the immunogen for the ERG antibody.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com