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Datasheet for ABIN3021820
anti-ERG antibody (AA 1-280)

4 Images

Overview

Quantity:	100 µL
Target:	ERG
Binding Specificity:	AA 1-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERG antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human ERG (NP_891548.1).
Sequence:	MASTIKEALS VSEDQSLFE CAYGTPHLAK TEMTASSSSD YGQTSKMSPR VPQQDWLSQP PARVTIKMEC NPSQVNGSRN SPDECSVAKG GKMVGSPDTV GMNYGSYMEE KHMPPPNMTT NERRVIVPAD PTLWSTDHVR QWLEWAVKEY GLPDVNILLF QNIDGKELCK MTKDDFQRLT PSYNADILLS HLHYLRETPL PHLTSDDVDK ALQNSPRLMH ARNTGGAafi FPNTSVYPEA TQRITTRPDL PYEPPRRSAW TGHGHPPTQS KAAQPSPSTV
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target: ERG

Alternative Name: ERG ([ERG Products](#))

Background: This gene encodes a member of the erythroblast transformation-specific (ETS) family of transcription factors. All members of this family are key regulators of embryonic development, cell proliferation, differentiation, angiogenesis, inflammation, and apoptosis. The protein encoded by this gene is mainly expressed in the nucleus. It contains an ETS DNA-binding domain and a PNT (pointed) domain which is implicated in the self-association of chimeric oncoproteins. This protein is required for platelet adhesion to the subendothelium, inducing vascular cell remodeling. It also regulates hematopoiesis, and the differentiation and maturation of megakaryocytic cells. This gene is involved in chromosomal translocations, resulting in different fusion gene products, such as TMPSSR2-ERG and NDRG1-ERG in prostate cancer, EWS-ERG in Ewing's sarcoma and FUS-ERG in acute myeloid leukemia. More than two dozens of transcript variants generated from combinatorial usage of three alternative promoters and multiple alternative splicing events have been reported, but the full-length nature of many of these variants has not been determined. ERG, erg-3, p55, Epigenetics & Nuclear Signaling, Transcription Factors, Cancer, Stem Cells, Hematopoietic Progenitors, ERG

Molecular Weight: 35 kDa/36 kDa/41 kDa/52 kDa/53 kDa/54 kDa

Gene ID: 2078

UniProt: [P11308](#)

Application Details

Application Notes: WB, 1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

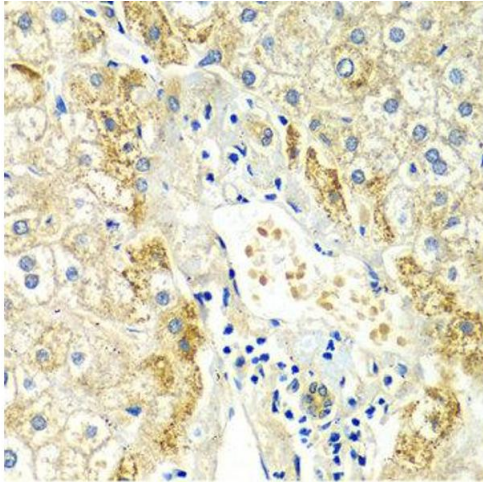
Handling Advice: Avoid freeze / thaw cycles

Handling

Storage: -20 °C

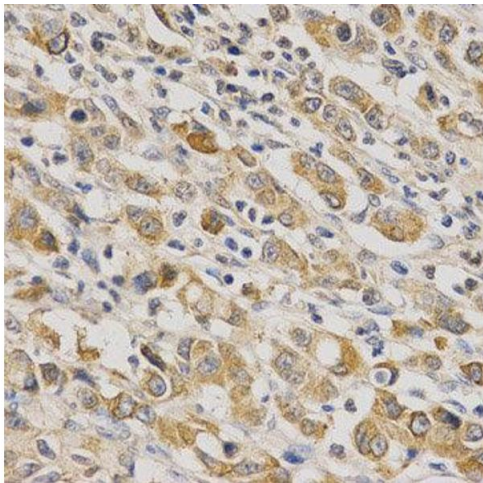
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



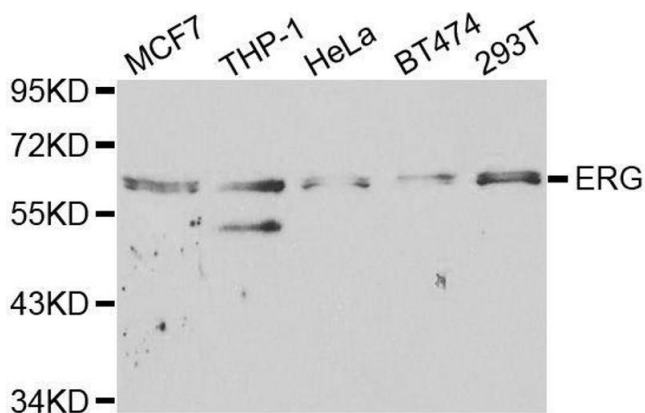
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded Human liver injury using ERG antibody at dilution of 1:100 (x400 lens).



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human stomach cancer using ERG antibody at dilution of 1:200 (x400 lens).



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using ERG antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3021820.