

Rabbit anti-Human, Mouse eRF3a Polyclonal Antibody | anti-eRF3a antibody

eRF3a Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322516	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

eRF3a; Polyclonal Antibody; eRF3a Antibody; 551G9.2; Anti Eukaryotic Release Factor 3a; Anti G1 to S phase transition 1; Anti GST1; homolog of yeast; eRF 3a; G1 to S phase transition 1; G1 to S phase transition protein 1 homolog; G1 to S phase transition protein; GSPT 1; GSPT1; GST 1; GST1; GTP binding protein GST1 HS; Transition protein 1; anti-eRF3a antibody

PRODUCT SPECIFICATIONS

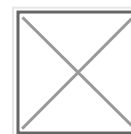
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	eRF3a antibody detects endogenous levels of total eRF3a
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	636
Applicable Applications for anti-eRF3a antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human eRF3a
Subcellular Location	Cytoplasmic
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of eRF3a using 3T3 whole cell lysates



IHC (Immunohistochemistry)

AAA322516 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-eRF3a antibody	Function: Involved in translation termination in response to the termination codons UAA, UAG and UGA. Stimulates the activity of ERF1. Involved in regulation of mammalian cell growth. Component of the transient SURF complex which recruits UPF1 to stalled ribosomes in the context of nonsense-mediated decay (NMD) of mRNAs containing premature stop codons. Subunit Structure: Component of the transient SURF (SMG1-UPF1-eRF1-eRF3) complex. Similarity: Belongs to the TRAFAC class translation factor GTPase superfamily. Classic translation factor GTPase family. ERF3 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194097354
NCBI GeneID	2935
NCBI Accession #	NP_001123478.1
NCBI GenBank Nucleotide #	NM_001130006.1
UniProt Accession #	P15170; Q96GF2; J3KQG6
Molecular Weight	Observed: 55 kDa Predicted: 56 kDa
NCBI Official Full Name	eukaryotic peptide chain release factor GTP-binding subunit ERF3A isoform 2
NCBI Official Synonym Full Names	G1 to S phase transition 1
NCBI Official Symbol	GSPT1
NCBI Official Synonym Symbols	GST1; ETF3A; eRF3a; 551G9.2
NCBI Protein Information	eukaryotic peptide chain release factor GTP-binding subunit ERF3A
UniProt Protein Name	Eukaryotic peptide chain release factor GTP-binding subunit ERF3A
UniProt Gene Name	GSPT1
UniProt Synonym Gene Names	ERF3A; Eukaryotic peptide chain release factor subunit 3a; eRF3a

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.