

Rabbit anti-Human ERAL1 Polyclonal Antibody | anti-ERAL1 antibody

ERAL1 Antibody

CATALOG # AAA322899	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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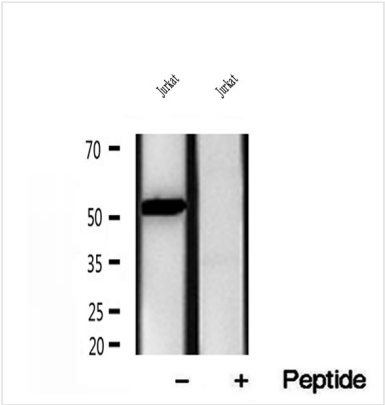
PRODUCT SYNONYMS

ERAL1; Polyclonal Antibody; ERAL1 Antibody; CEGA; Conserved ERA like GTPase; Conserved ERA-like GTPase; ERA; Era (E. coli G protein homolog) like 1; Era G protein like 1 (E. coli); Era G protein like 1; ERA W; ERA-like protein 1; ERA-W; Eral1; ERAL1_HUMAN; ERAL1A; ERAW; GTP binding protein era homolog; GTPase Era; mitochondrial; GTPase human homolog of E. coli essential cell cycle protein Era; H-ERA; HERA A; hERA; HERA B; HERAA; HERAB; anti-ERAL1 antibody

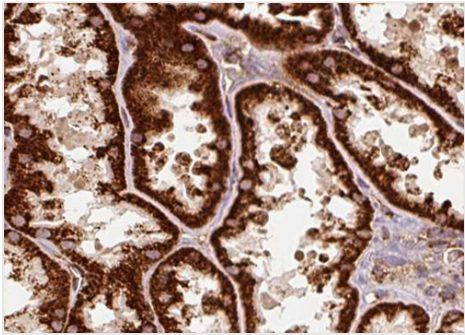
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ERAL1 antibody detects endogenous levels of ERAL1.
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	436
Applicable Applications for anti-ERAL1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ERAL1.
Subcellular Location	Mitochondrion Matrix. Mitochondrion Inner Membrane. Localizes on the matrix side on the mitochondrial inner membrane.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (92%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (100%)
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 extracts of Jurkat cells, using ERAL1 antibody.



IHC (Immunohistochemistry)
AAA322899 at 1/100 staining Human kidney 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-ERAL1 antibody	Function: Probable GTPase that plays a role in the mitochondrial ribosomal small subunit assembly. Specifically binds the 12S mitochondrial rRNA (12S mt-rRNA) to a 33 nucleotide section delineating the 3' terminal stem-loop region. May act as a chaperone that protects the 12S mt-rRNA on the 28S mitoribosomal subunit during ribosomal small subunit assembly. Similarity: Belongs to the TRAFAC class TrmE-Era-EngA-EngB-Septin-like GTPase superfamily. Era GTPase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	966209847
NCBI GeneID	26284
NCBI Accession #	NP_001304914.1
NCBI GenBank Nucleotide #	NM_001317985.1
UniProt Accession #	O75616; O75617; Q8WUY4; Q96LE2; Q96TC0; B3KN21; C9JEC6
Molecular Weight	Observed: 50-52 kDa Predicted: 49 kDa
NCBI Official Full Name	GTPase Era, mitochondrial isoform 2
NCBI Official Synonym Full Names	Era like 12S mitochondrial rRNA chaperone 1
NCBI Official Symbol	ERAL1
NCBI Official Synonym Symbols	ERA; CEGA; ERA-W; H-ERA; ERAL1A; ERAL1B; HERA-A; HERA-B; PRLTS6
NCBI Protein Information	GTPase Era, mitochondrial
UniProt Protein Name	GTPase Era, mitochondrial
UniProt Gene Name	ERAL1
UniProt Synonym Gene Names	HERA; H-ERA; hERA; CEGA

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.