

Rabbit anti-Human, mouse ERO1B Polyclonal Antibody | anti-ERO1B antibody

ERO1B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229871	Rabbit	Human, mouse	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

ERO1B; Polyclonal Antibody; ERO1B Antibody; ERO1-like protein beta; ERO1-L-beta; Endoplasmic reticulum oxidoreductase beta; anti-ERO1B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%,Protein G purified
Form/Format	Liquid
Sequence Length	467
Applicable Applications for anti-ERO1B antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human ERO1-like protein beta protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



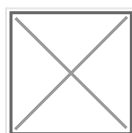
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human pancreatic cancer using AAA229871 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human pancreatic tissue using AAA229871 at dilution of 1:100



WB (Western Blot)

Western blotAll lanes: ERO1B antibody at 3.2ug/mlLane 1: MCF7 whole cell lysateLane 2: U251 whole cell lysateLane 3: Mouse liver tissueLane 4: U87 whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 54,17 kDaObserved band size: 54 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ERO1B antibody	Oxidoreductase involved in disulfide bond formation in the endoplasmic reticulum. Efficiently reoxidizes P4HB/PDI, the enzyme catalyzing protein disulfide formation, in order to allow P4HB to sustain additional rounds of disulfide formation. Other protein disulfide isomerase family members can also be reoxidized, but at lower rates compared to P4HB, including PDIA2 (50% of P4HB reoxidation rate), as well as PDIA3, PDIA4, PDIA6 and NXNDC12 (<10%). Following P4HB reoxidation, passes its electrons to molecular oxygen via FAD, leading to the production of reactive oxygen species (ROS) in the cell. May be involved in oxidative proinsulin folding in pancreatic cells, hence may play a role in glucose homeostasis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	239582761
NCBI GeneID	56605
NCBI Accession #	NP_063944.3
NCBI GenBank Nucleotide #	NM_019891.3
UniProt Accession #	Q86YB8; Q5T1H4; Q8IZ11; Q9NR62; B4DF57
Molecular Weight	16,096 Da
NCBI Official Full Name	ERO1-like protein beta
NCBI Official Synonym Full Names	endoplasmic reticulum oxidoreductase beta
NCBI Official Symbol	ERO1B
NCBI Official Synonym Symbols	ERO1LB; Ero1beta
NCBI Protein Information	ERO1-like protein beta
UniProt Protein Name	ERO1-like protein beta
UniProt Gene Name	ERO1B
UniProt Synonym Gene Names	ERO1-L-beta
UniProt Entry Name	ERO1B_HUMAN

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.