

Rabbit ERP44 Polyclonal Antibody | anti-ERP44 antibody

Rabbit Polyclonal to Human ERP44

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52175	Rabbit	Bat, Gibbon, Bovine, Chimpanzee, Chicken, Dog, Xenopus, Guinea pig, Gorilla, Horse, Human, Monkey, Mouse, Orangutan, Pig, Rabbit, Rat Predicted Reactivity: Zebrafish (at least 90% immunogen sequence identity)	Immunohistochemistry

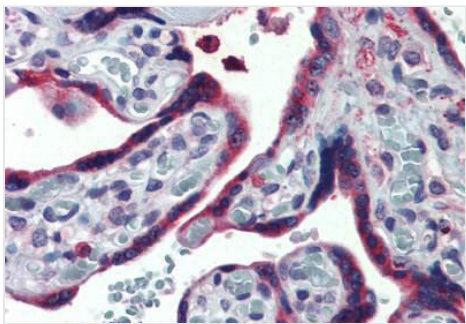
PRODUCT SYNONYMS

ERP44; Polyclonal Antibody; Rabbit Polyclonal to Human ERP44; Anti-ERP44 Antibody (Internal) IHC-plus; ER protein 44; PDIA10; TXNDC4; KIAA0573; Human ERP44; anti-ERP44 antibody

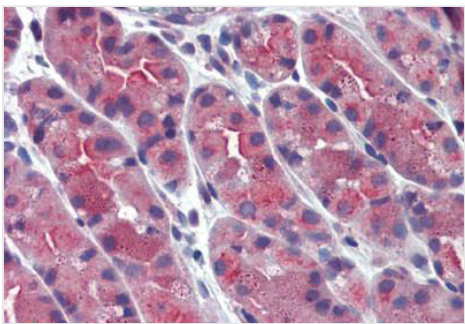
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Bat, Gibbon, Bovine, Chimpanzee, Chicken, Dog, Xenopus, Guinea pig, Gorilla, Horse, Human, Monkey, Mouse, Orangutan, Pig, Rabbit, Rat Predicted Reactivity: Zebrafish (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human ERP44 / TXNDC4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	406
Applicable Applications for anti-ERP44 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 20 amino acid peptide from internal region of human ERP44 / TXNDC4.
Immunogen Type	Synthetic peptide
Immunogen	ERP44 antibody was raised against synthetic 20 amino acid peptide from internal region of human ERP44 / TXNDC4. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey, Galago, Marmoset, Mouse, Rat, Elephant, Panda, Dog, Bat, Bovine, Horse, Rabbit, Pig, Guinea pig, Turkey, Zebra finch, Chicken, Platypus, Lizard, Xenopus (100%); Opossum, Stickleback, Medaka, Pufferfish, Zebrafish (95%).
Antigen Modification	Internal
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-ERP44 / TXNDC4 antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-ERP44 / TXNDC4 antibody IHC of human stomach. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-ERP44 antibody	TXNDC4/Erp44/KIAA0573 was identified via its interaction with Erol-Lalpha, which in turn has been shown to regulate oxidative protein folding by selectively oxidizing protein disulfide isomerase. TXNDC4 is induced during ER stress and forms mixed disulfides with both hEROs and cargo folding intermediates. Over expression has been shown to alter the equilibrium of the different Ero1-Lalpha redox isoforms suggesting that TXNDC4 may be involved in the control of oxidative protein folding.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	52487191
NCBI GeneID	23071
NCBI Accession #	NP_055866.1
NCBI GenBank Nucleotide #	NM_015051.1
UniProt Accession #	Q9BS26; O60319; Q4VXC1; Q5VWZ7; Q6UW14; Q8WX67
Molecular Weight	46,971 Da
NCBI Official Full Name	endoplasmic reticulum resident protein 44
NCBI Official Synonym Full Names	endoplasmic reticulum protein 44
NCBI Official Symbol	ERP44
NCBI Official Synonym Symbols	PDIA10; TXNDC4
NCBI Protein Information	endoplasmic reticulum resident protein 44; ER protein 44; thioredoxin domain-containing protein 4; endoplasmic reticulum resident protein 44 kDa; protein disulfide isomerase family A, member 10; thioredoxin domain containing 4 (endoplasmic reticulum)
UniProt Protein Name	Endoplasmic reticulum resident protein 44
UniProt Gene Name	ERP44
UniProt Synonym Gene Names	KIAA0573; TXNDC4; ER protein 44; ERp44
UniProt Entry Name	ERP44_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.