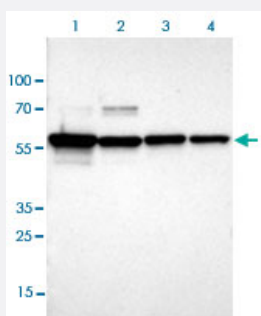


PDIA3 polyclonal antibody

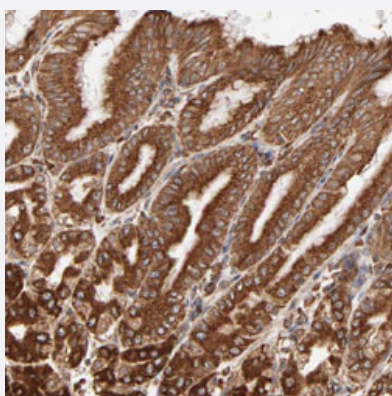
Catalog # PAB29335 Size 100 uL

Applications



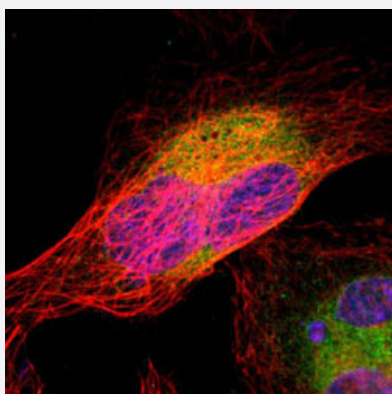
Western Blot

Western blot analysis of Lane 1: Human cell line RT-4; Lane 2: Human cell line U-251 MG sp; Lane 3: Human liver tissue; Lane 4: Human tonsil tissue with PDIA3 polyclonal antibody (Cat# PAB29335) at 1:100-1:250 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human stomach with PDIA3 polyclonal antibody (Cat# PAB29335) shows strong cytoplasmic positivity in glandular cells at 1:500-1:1000 dilution.



Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with PDIA3 polyclonal antibody (Cat# PAB29335) under 1-4 ug/mL working concentration shows positivity in endoplasmic reticulum.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human PDIA3.
Immunogen	Recombinant protein corresponding to amino acids of human PDIA3.
Sequence	HMTEDNKDLIQGKDLLIAYDVVDYEKNAKGSNYWRNRVMMVAKKFLDAGHKLNF AVASRKTFSH ELSDFGLESTAGEIPVVAIRTAKEKFVMQEEFSRDGKALERFLQDYFDGNLKRYLKSEPIESND GP
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:500-1:1000) Western Blot (1:100-1:250) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — PDIA3

Entrez GeneID [2923](#)

Protein Accession# [G5EA52](#)

Gene Name PDIA3

Gene Alias ER60, ERp57, ERp60, ERp61, GRP57, GRP58, HsT17083, P58, PI-PLC

Gene Description protein disulfide isomerase family A, member 3

Omim ID [602046](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be a phospholipase; however, it has been demonstrated that the protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates. [provided by RefSeq]

Other Designations 58 kDa microsomal protein|OTTHUMP00000041709|endoplasmic reticulum P58|glucose regulated protein, 58kDa|phospholipase C-alpha|protein disulfide isomerase-associated 3|protein disulfide isomerase A3

Pathway

- [Antigen processing and presentation](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)