

PDIA1 Antibody

Catalog_no :	AB3534
Reactivity :	H
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN
Specificity :	This PDIA1 antibody is generated from a mouse immunized with a recombinant protein of human PDIA1.
Dilution :	WB,1:4000;
Other_name :	Protein disulfide-isomerase, PDI, Cellular thyroid hormone-binding protein, Prolyl 4-hydroxylase subunit beta, p55, P4HB, ERBA2L, PDI, PDIA1, PO4DB
Isotype :	IgG1,k
Background :	This multifunctional protein catalyzes the formation, breakage and rearrangement of disulfide bonds. At the cell surface, seems to act as a reductase that cleaves disulfide bonds of proteins attached to the cell. May therefore cause structural modifications of exofacial proteins. Inside the cell, seems to form/rearrange disulfide bonds of nascent proteins. At high concentrations, functions as a chaperone that inhibits aggregation of misfolded proteins. At low concentrations, facilitates aggregation (anti-chaperone activity). May be involved with other chaperones in the structural modification of the TG precursor in hormone biogenesis. Also acts a structural subunit of various enzymes such as prolyl 4-hydroxylase and microsomal triacylglycerol transfer protein MTTP.
reference :	Pihlajaniemi T.,et al.EMBO J. 6:643-649(1987). Cheng S.-Y.,et al.J. Biol. Chem. 262:11221-11227(1987). Tasanen K.,et al.J. Biol. Chem. 263:16218-16224(1988). Ota T.,et al.Nat. Genet. 36:40-45(2004). Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/G