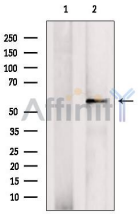
PDIA3 Ab

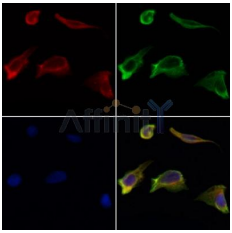
References(1) Images(3)

Cat.#: DF6230	Concn.: ~1mg/ml	Mol.Wt.: 57kDa
Size:	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500 *The optimal dilutions should be determined by the end user.
Reactivity:	Human,Mouse,Rat
Storage:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Immunogen:	A synthesized peptide derived from human PDIA3, corresponding to a region within the internal amino acids.
Uniprot:	P30101
Description:	Secretory proteins translocate into the endoplasmic reticulum (ER) after their synthesis where they are post-translationally modified and properly folded. To reach their native conformation, many secretory proteins require the formation of intra- or inter-molecular disulfide bonds . This process is called oxidative protein folding. Disulfide isomerase (PDI) has two thioredoxin homology domains and catalyzes the formation and isomerization of these disulfide bonds . Other ER resident proteins that possess the thioredoxin homology domains, including endoplasmic reticulum stress protein 57 (ERp57), constitute the PDI family . ERp57 interacts with calnexin and calreticulin and is suggested to play a role in the isomerization of disulfide bonds on certain glycoproteins .



Western blot analysis of extracts from HepG2, using PDIA3 Ab. The lane on the left was treated with blocking peptide.



DF6230 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(DF6230 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab.
The nuclear counter stain is DAPI(blue).

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.