

PDI Polyclonal Antibody

Catalog number: 11245-1-AP

Size: 60 µg/150 µl

Source: Rabbit

Isotype: IgG

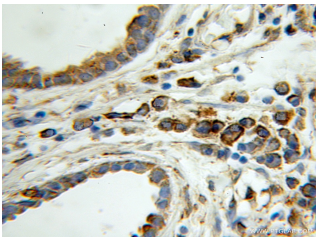
Synonyms:

P4HB; DSI, ERBA2L, GIT, P4HB,

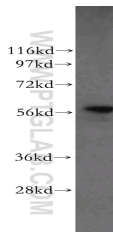
P4Hbeta, p55, PDI, PDIA1,

PHDB, PO4DB, PO4HB, PROHB,

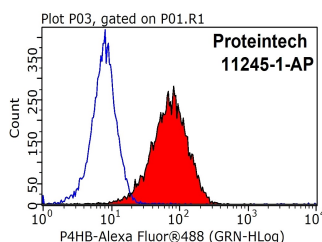
Protein disulfide isomerase



Immunohistochemical of paraffin-embedded human prostate cancer using 11245-1-AP (PDI antibody) at dilution of 1:50 (under 40x lens)



COLO 320 cells were subjected to SDS PAGE followed by western blot with 11245-1-AP (PDI antibody) at dilution of 1:500



1X10⁶ HEK-293T cells were stained with .2µg PDI antibody (11245-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.

Background

PDIA1 (Protein disulfide-isomerase) is also named as ERBA2L, PDI, P4HB, PO4DB. It is a multifunctional protein that catalyzes the formation, breakage and rearrangement of disulfide bonds. In some cell types, it seems to be secreted or associated with the plasma membrane, where it undergoes constant shedding and replacement from intracellular sources. It can exist as homodimer and monomers and homotetramers may also occur (PMID:12095988).

Applications

Tested applications:	ELISA, WB, IHC, IF, FC, IP
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated PDI MW:	57 kDa
Observed PDI MW:	57 kDa
Positive WB detected in	COLO 320 cells, HEK-293 cells, HepG2 cells, human brain tissue, human thyroid gland tissue, mouse heart tissue, mouse thymus tissue, rat brain tissue, rat heart tissue, rat thymus tissue
Positive IP detected in	Mouse liver tissue
Positive IHC detected in	Human prostate cancer tissue, human lung cancer tissue
Positive IF detected in	HEK-293 cells, HepG2 cells
Positive FC detected in	HEK-293T cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:1000 IHC: 1:20-1:200 IF: 1:10-1:100 FC: N/A

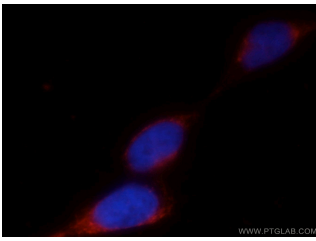
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

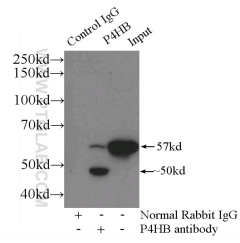
Immunogen:	Ag1747
GenBank accession number:	BC014504
Gene ID (NCBI):	5034
Full name:	Prolyl 4-hydroxylase, beta polypeptide

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



Immunofluorescent analysis of HEK-293 cells using 11245-1-AP(PDI Antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG



IP Result of anti-PDI (IP:11245-1-AP, 3ug; Detection:11245-1-AP 1:300) with mouse liver tissue lysate 4000ug.