Product datasheet

Anti-PDIA6 Antibody (Clone#3H5E7)

Catalog Number: *M03813-1*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-PDIA6 Antibody (Clone#3H5E7)
Gene Name	PDIA6
Source	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Species Reactivity	human, monkey
Tested Application	WB, IHC, ICC/IF, FCM
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human PDIA6 recombinant protein (Position: L20-L440). Human PDIA6 shares 95.7% and 95.2% amino acid (aa) sequence identity with mouse and rat PDIA6, respectively.
Concentration	500 ug/ml
Purification	protein G purified.
Observed MW	48 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

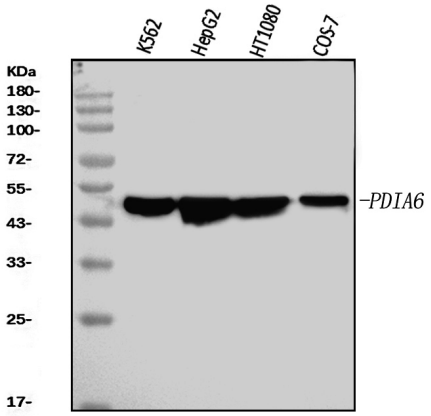
This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, two catalytically active thioredoxin (TRX) domains, a TRX-like domain, and a C-terminal ER-retention sequence. This protein inhibits the aggregation of misfolded proteins and exhibits both isomerase and chaperone activity. Alternative splicing results in multiple transcript variants encoding different isoforms.

Anti-PDIA6 Antibody (Clone#3H5E7)

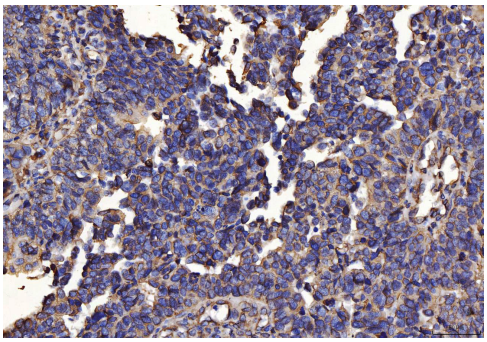
Catalog Number: *M03813-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

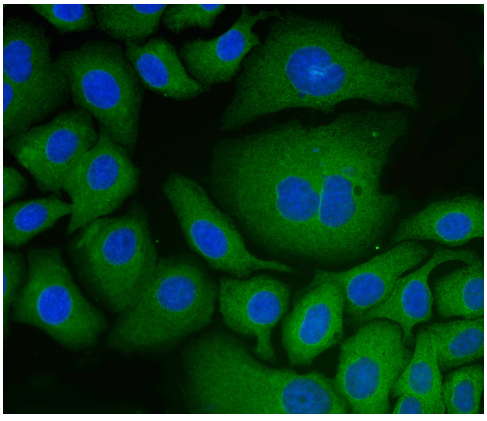
Selected Validation Data



Western blot analysis of PDIA6 using anti-PDIA6 antibody (M03813-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: K562 whole cell lysates,
Lane 2: HepG2 whole cell lysates,
Lane 3: HT1080 whole cell lysates,
Lane 4: COS-7 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with mouse anti-PDIA6 antigen affinity purified monoclonal antibody (M03813-1) at a dilution of 1:1000 and probed with a goat anti-mouse IgG-HRP secondary antibody (Catalog # BA1050). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for PDIA6 at approximately 48 kDa. The expected band size for PDIA6 is at 48 kDa.



IHC analysis of PDIA6 using anti-PDIA6 antibody (M03813-1).
PDIA6 was detected in a paraffin-embedded section of human Bladder epithelial carcinoma tissue. Biotinylated goat anti-mouse IgG was used as secondary antibody. The tissue section was incubated with mouse anti-PDIA6 Antibody (M03813-1) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB (Catalog # AR1027) as the chromogen.

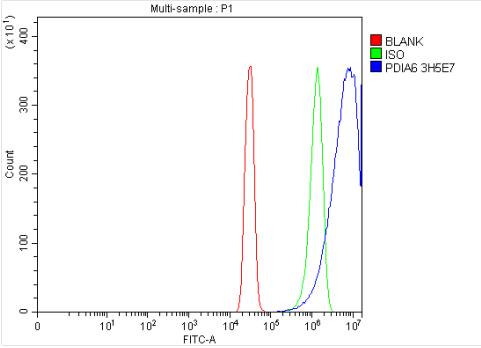


IF analysis of PDIA6 using anti-PDIA6 antibody (M03813-1).
PDIA6 was detected in an immunocytochemical section of HepG2 cells. The section was incubated with mouse anti-PDIA6 Antibody (M03813-1) at a dilution of 1:100. Dylight488-conjugated Anti-mouse IgG Secondary Antibody (green)(Catalog#BA1126) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).

Anti-PDIA6 Antibody (Clone#3H5E7)

Catalog Number: *M03813-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com



Flow Cytometry analysis of SiHa cells using anti-PDIA6 antibody (M03813-1).
Overlay histogram showing SiHa cells stained with M03813-1 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-PDIA6 Antibody (M03813-1) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-mouse IgG (BA1126) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was mouse IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.