

## Basic Information

<b>Product Name</b>	Anti-PDIA6 Antibody (Clone#3H5E7)	
<b>Gene Name</b>	PDIA6	
<b>Source</b>	Mouse	
<b>Isotype</b>	IgG2b	
<b>Species Reactivity</b>	human, monkey	
<b>Tested Application</b>	WB, IHC, ICC/IF, FCM	
<b>Contents</b>	500 ug/ml antibody with PBS , 0.02% NaN <sub>3</sub> , 1 mg BSA and 50% glycerol.	
<b>Immunogen</b>	E.coli-derived human PDIA6 recombinant protein (Position: L20-L440).	
<b>concentration</b>	500 ug/ml	
<b>Purification</b>	protein G purified.	
<b>Observed MW</b>	48KD	
<b>Dilution Ratios</b>	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow cytometry (FCM): 1-3µg/1x10 <sup>6</sup> cells (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°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## 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.

## Selected Validation Data

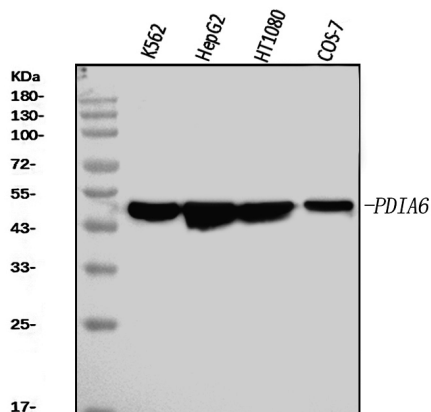


Figure 1. Western blot analysis of anti- PDIA6 Antibody (M03813-1).

The sample well of each lane was loaded with 50ug 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.

Use mouse anti- PDIA6 1:1000, probed with a goat anti- mouse IgG- HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001). A specific band was detected for PDIA6 at approximately 48KD. The expected band size for PDIA6 is at 39KD.