

Anti-PDIA1 Antibody

Catalog Number: M02335-1

About P4HB

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 MTPP.

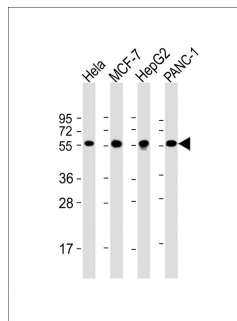
Overview

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| Product Name | Anti-PDIA1 Antibody |
| Reactive Species | Human |
| Description | Boster Bio Anti-PDIA1 Antibody (Catalog # M02335-1). Tested in WB application(s). This antibody reacts with Human. |
| Application | WB |
| Clonality | Monoclonal 1530CT836.11.53 |
| Formulation | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. |
| Storage Instructions | Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Host | Mouse |
| Uniprot ID | P07237 |

Technical Details

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| Immunogen | This PDIA1 antibody is generated from a mouse immunized with a recombinant protein of human PDIA1. |
| Predicted Reactive Species | Human |
| Isotype | IgG1,k |
| Purification | This antibody is purified through a protein G column, followed by dialysis against PBS. |
| Suggested Dilutions | WB: 1:4000 |

Anti-PDIA1 Antibody (M02335-1) Images



All lanes : Anti-PDIA1 Antibody at 1:4000 dilution
Lane 1: HeLa whole cell lysate
Lane 2: MCF-7 whole cell lysate
Lane 3: HepG2 whole cell lysate
Lane 4: PANC-1 whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 57 kDa
Blocking/Dilution buffer: 5% NFD/MTBST.

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Anti-PDIA1 Antibody

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