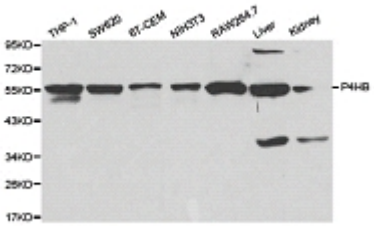
E90692

P4HBPolyclonal Antibody

Catalog Number: E90692
Amount: 100ul
Background: During their synthesis, secretory proteins translocate into the endoplasmic reticulum (ER) 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 (1). This process is called oxidative protein folding. Protein disulfide isomerase (PDI) catalyzes the formation and isomerization of these disulfide bonds (2). Studies on mechanisms of oxidative folding suggest that molecular oxygen oxidizes the ER-protein Ero1, which in turn oxidizes PDI through disulfide exchange (3). This event is then followed by PDI-catalyzed disulfide bond formation in folding proteins (3).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: P4HB;DSI;ERBA2L;GIT;P4Hbeta;PDI;PDIA1;PHDB;PO4DB;PO4HB;PROHB ;
Immunogen: Recombinant proteinof human P4HB
Purification: Affinity purification
Reactivity: H M R
Applications: WB
Molecular Weight: 57kDa
Swiss-Prot No. : P07237
Gene ID: 5034
References: 1. Huppa, J.B. and Ploegh, H.L. (1998) Cell 92, 145-148. 2. Ellgaard, L. and Ruddock, L.W. (2005) EMBO Rep. 6, 28-32. 3. Tu, B.P. and Weissman, J.S. (2004) J. Cell Biol. 164, 341-346.

WB 1:500 - 1:2000



Western blot analysis of extracts of variouscell lines, using P4HB antibody.

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