

Endoplasmin Polyclonal Antibody

Catalog No: YT1560

Reactivity: Human; Mouse

Applications: WB;IHC;IF;ELISA

Target: Endoplasmin

Fields: >>Protein processing in endoplasmic reticulum;>>PI3K-Akt signaling

pathway;>>IL-17 signaling pathway;>>Estrogen signaling pathway;>>Thyroid hormone synthesis;>>Salmonella infection;>>Pathways in cancer;>>Chemical

carcinogenesis - receptor activation;>>Prostate cancer;>>Lipid and

atherosclerosis;>>Fluid shear stress and atherosclerosis

Gene Name: HSP90B1

Protein Name: Endoplasmin

Human Gene Id: 7184

Human Swiss Prot

No:

Mouse Gene Id: 22027

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

GRP94. AA range:754-803

Specificity: Endoplasmin Polyclonal Antibody detects endogenous levels of Endoplasmin

protein.

P14625

P08113

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not

yet tested in other applications.



Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

-15°C to -25°C/1 year(Do not lower than -25°C) **Storage Stability:**

Observed Band: 92kD

NOD-like receptor; Pathways in cancer; Prostate cancer; **Cell Pathway:**

Background: This gene encodes a member of a family of adenosine

> triphosphate(ATP)-metabolizing molecular chaperones with roles in stabilizing and folding other proteins. The encoded protein is localized to melanosomes and the endoplasmic reticulum. Expression of this protein is associated with a variety of pathogenic states, including tumor formation. There is a microRNA gene located within the 5' exon of this gene. There are pseudogenes for this

gene on chromosomes 1 and 15. [provided by RefSeq, Aug 2012],

Function: function: Molecular chaperone that functions in the processing and transport of

secreted proteins. Has ATPase activity.,PTM:Phosphorylated.,similarity:Belongs

to the heat shock protein 90 family., subcellular location: Identified by mass

spectrometry in melanosome fractions from stage I to stage

IV...subunit:Homodimer; disulfide-linked. Component of an EIF2 complex at least composed of CUGBP1, CALR, CALR3, EIF2S1, EIF2S2, HSP90B1 and HSPA5 (By similarity). Part a large chaperone multiprotein complex comprising CABP1, DNAJB11, HSP90B1, HSPA5, HYOU, PDIA2, PDIA4, PPIB, SDF2L1, UGT1A1 and very small amounts of ERP29, but not, or at very low levels, CALR nor

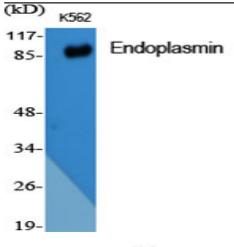
CANX.,

Subcellular

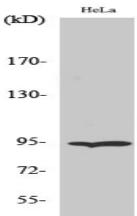
Endoplasmic reticulum lumen . Sarcoplasmic reticulum lumen . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Location:

Expression: Blood, Brain, Liver, Lung, Platelet, Skin,

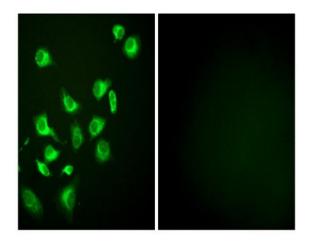
Products Images



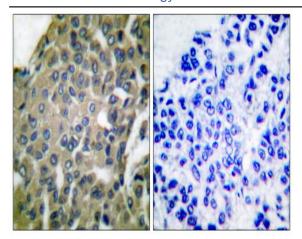
Western Blot analysis of various cells using Endoplasmin Polyclonal Antibody diluted at 1:1000



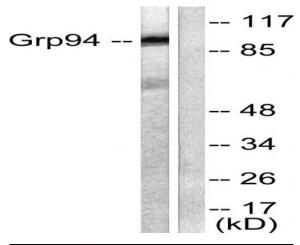
Western Blot analysis of HeLa cells using Endoplasmin Polyclonal Antibody diluted at 1:1000



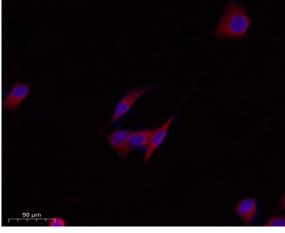
Immunofluorescence analysis of HepG2 cells, using GRP94 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using GRP94 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from SKOV3 cells, using GRP94 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of MCF7 cell. 1,primary Antibody was diluted at 1:100(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - AFluor 594 Secondary antibody(catalog No: RS3611) was diluted at 1:500(room temperature, 50min).