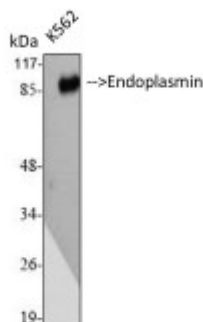


Anti-Endoplasmin antibody



Description

Endoplasmin is a protein encoded by the HSP90B1 gene which is approximately 92,5 kDa. Endoplasmin is localised to the endoplasmic reticulum lumen and is involved in the unfolded protein response, binding and uptake of ligands by scavenger receptors, cytokine signalling in immune system, innate immune system and activated TLR4 signalling. This protein falls under the adenosine triphosphate-metabolizing molecular chaperones family. It is a molecular chaperone that functions in the stabilizing, folding and transport of secreted proteins. Endoplasmin is expressed in the blood, liver, nervous system, skin and lung. Mutations in the HSP90B1 gene may result in oral cavity cancer, growth hormone deficiency and prostate cancer. STJ92925 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of endoplasmin protein.

Model	STJ92925
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Endoplasmin
Immunogen Region	730-810 aa, C-terminal
Gene ID	7184
Gene Symbol	HSP90B1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000

Specificity	Endoplasmin Polyclonal Antibody detects endogenous levels of Endoplasmin protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Endoplasmin 94 kDa glucose-regulated protein GRP-94 Heat shock protein 90 kDa beta member 1 Tumor rejection antigen 1 gp96 homolog
Molecular Weight	92 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:12028OMIM:191175
Alternative Names	Endoplasmin 94 kDa glucose-regulated protein GRP-94 Heat shock protein 90 kDa beta member 1 Tumor rejection antigen 1 gp96 homolog
Function	Molecular chaperone that functions in the processing and transport of secreted proteins. When associated with CNPY3, required for proper folding of Toll-like receptors . Functions in endoplasmic reticulum associated degradation (ERAD). Has ATPase activity.
Cellular Localization	Endoplasmic reticulum lumen. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.