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Anti-Calnexin Rabbit mAb [32G08]

Catalog No.: A52024

Basic Information

Catalog No. (Cat.No.)	A52024
Host species	Rabbit
Reactivity	Human
Applications	WB,IHC,IF,ELISA
Synonyms	Calnexin,p90,IP90

Product Information

Target	Calnexin
Molecular Weight(Calculated)	68 kDa
Molecular Weight(Observed)	90 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	32G08
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:2000-1:10000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Calnexin
Gene Name	*CANX*
Domain	NA
Background	Calnexin is an endoplasmic reticulum-resident type I transmembrane chaperone protein encoded by the CANX gene, acting as a core component of the ER protein folding quality control system. Ubiquitously expressed in eukaryotic cells, Calnexin primarily mediates the folding, modification and assembly of newly synthesized glycosylated proteins, retains misfolded proteins in the ER to prevent abnormal protein trafficking, and ensures correct protein maturation and degradation to maintain ER homeostasis. It also participates in ER stress response, intracellular calcium homeostasis regulation and apoptosis modulation, serving as a classic specific ER biomarker. Calnexin dysfunction causes protein folding disorders and excessive ER stress activation, closely involved in metabolic injury, inflammation and tumor progression.