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Anti-Calreticulin Rabbit mAb [26G36]

Catalog No.: A52025

Basic Information

Catalog No. (Cat.No.)	A52025
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Calreticulin,CRT,ERp60,GRP60,HACBP

Product Information

Target	Calreticulin
Molecular Weight(Calculated)	48 kDa
Molecular Weight(Observed)	55 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	26G36
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	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Calreticulin
Gene Name	*CALR*
Domain	NA
Background	Calreticulin is a soluble endoplasmic reticulum chaperone protein encoded by the CALR gene, serving as a key regulator of ER calcium storage and protein folding. Localized in the ER lumen, Calreticulin extensively participates in the folding, glycosylation modification and degradation of misfolded nascent proteins, cooperating with Calnexin to complete ER protein quality control. As a core calcium buffer, it precisely modulates intracellular calcium homeostasis and regulates cell proliferation, immune response, apoptosis and stress adaptation. Dysregulated Calreticulin expression triggers calcium imbalance, sustained ER stress and immune disorders, closely associated with tumor proliferation, autoimmune diseases and cardiovascular damage, and acts as a classic biomarker for ER injury.