

Anti-CALR3 antibody



Description	Unconjugated Rabbit polyclonal to CALR3
Model	STJ190646
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Gene ID	125972
Gene Symbol	CALR3
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	CALR3 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Testis specific.
Purification	CALR3 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Calreticulin-3 Calreticulin-2 Calsperin
Molecular Weight	42 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.

Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:20407OMIM:611414
Alternative Names	Calreticulin-3 Calreticulin-2 Calsperin
Function	During spermatogenesis, may act as a lectin-independent chaperone for specific client proteins such as ADAM3. Required for sperm fertility . CALR3 capacity for calcium-binding may be absent or much lower than that of CALR.
Sequence and Domain Family	Can be divided into a N-terminal globular domain, a proline-rich P-domain forming an elongated arm-like structure and a C-terminal acidic domain. The P-domain binds one molecule of calcium with high affinity, whereas the acidic C-domain binds multiple calcium ions with low affinity . The interaction with glycans occurs through a binding site in the globular lectin domain. The zinc binding sites are localized to the N-domain.
Cellular Localization	Endoplasmic reticulum lumen

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com