Recombinant Calreticulin Antibody

Rabbit Monoclonal Antibody [Clone CALR/13088R]

Catalog No	Format	Size
811-RBM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
811-RBM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
811-RBM3-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	CALR/13088R
Immunogen	Recombinant fragment (around aa54-66) of the human Calreticulin protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	48.14kDa
Cellular Localization	Cell surface, Cortical granule, Cytolytic granule, Cytoplasm, Cytoplasmic vesicle, Cytosol, Endoplasmic reticulum lumen, Extracellular matrix, Extracellular space, Sarcoplasmic reticulum lumen, Secreted, Secretory vesicle
Species Reactivity	Human

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Calreticulin Antibody

Specificity & Comments

Calcium-binding chaperone that promotes folding, oligomeric assembly and quality control in the endoplasmic reticulum (ER) via the calreticulin/calnexin cycle. This lectin interacts transiently with almost all of the monoglucosylated glycoproteins that are synthesized in the ER (PubMed:7876246). Interacts with the DNA-binding domain of NR3C1 and mediates its nuclear export (PubMed:11149926). Involved in maternal gene expression regulation. May participate in oocyte maturation via the regulation of calcium homeostasis (By similarity). Present in the cortical granules of non-activated oocytes, is exocytosed during the cortical reaction in response to oocyte activation and might participate in the block to polyspermy (By similarity).

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.