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# Calreticulin Rabbit mAb

货号: **AYM28987**

## 产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC IF/ICC IP FC
推荐浓度	<b>WB:</b> 1:500 - 1:2000 <b>IHC:</b> 1:50 - 1:200 <b>IF/ICC:</b> 1:50 - 1:200 <b>IP:</b> 1:20 - 1:50 <b>FC:</b> 1:20 - 1:50
理论分子量	48kDa
实测分子量	60kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HL-60,SH-SY5Y,HeLa,PC-3,C6,SH-SY5Y,mouse kidney,rat liver,rat testis
细胞定位	Cell surface,Cytoplasm,Endoplasmic reticulum lumen,Sarcoplasmic reticulum lumen,Secreted,cytosol,extracellular matrix,extracellular space
纯化	Affinity purification

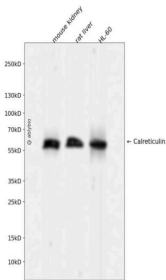
## 抗原信息

抗原信息	Recombinant fusion protein corresponding to Human Calreticulin.
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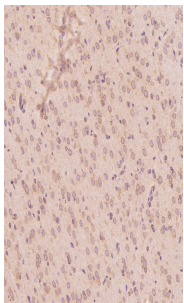
## 靶点信息

研究背景	Calreticulin is a multifunctional protein that acts as a major Ca(2+)-binding (storage) protein in the lumen of the endoplasmic reticulum. It is also found in the nucleus, suggesting that it may have a role in transcription regulation. Calreticulin binds to the synthetic peptide KLGFFKR, which is almost identical to an amino acid sequence in the DNA-binding domain of the superfamily of nuclear receptors. Calreticulin binds to antibodies in certain sera of systemic lupus and Sjogren patients which contain anti-Ro/SSA antibodies, it is highly conserved among species, and it is located in the endoplasmic and sarcoplasmic reticulum where it may bind calcium. The amino terminus of calreticulin interacts with the DNA-binding domain of the glucocorticoid receptor and prevents the receptor from binding to its specific glucocorticoid response element. Calreticulin can inhibit the binding of androgen receptor to its hormone-responsive DNA element and can inhibit androgen receptor and retinoic acid receptor transcriptional activities in vivo, as well as retinoic acid-induced neuronal differentiation. Thus, calreticulin can act as an important modulator of the regulation of gene transcription by nuclear hormone receptors.
基因ID	811
基因名	CALR
Swiss	P27797 ( <a href="https://www.uniprot.org/uniprotkb/P27797/entry">https://www.uniprot.org/uniprotkb/P27797/entry</a> )
别名	Calreticulin, Calreticulin Rabbit mAb, CALR, CRP55, Calregulin, Endoplasmic reticulum resident protein 60, HACBP, grp60, CRTC

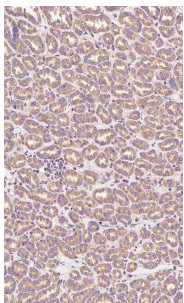
## 产品验证



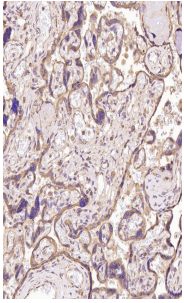
Western blot analysis of Calreticulin expressed in mouse kidney, rat liver, HL-60 using Calreticulin Rabbit mAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



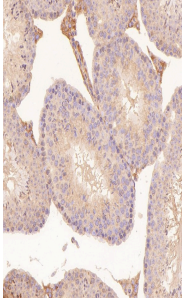
Immunohistochemical analysis of paraffin-embedded Rat cerebral cortex, using the Antibody at 1:150 dilution.



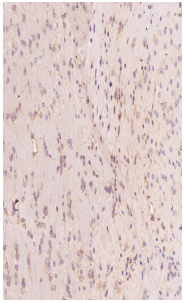
Immunohistochemical analysis of paraffin-embedded Human renal cancer, using the Antibody at 1:150 dilution.



Immunohistochemical analysis of paraffin-embedded Human placenta, using the Antibody at 1:150 dilution.



Immunohistochemical analysis of paraffin-embedded Mouse testis, using the Antibody at 1:150 dilution.



Immunohistochemical analysis of paraffin-embedded Mouse cerebellum, using the Antibody at 1:150 dilution.

### 实验步骤

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