

# CALR Antibody

货号: **AYP5086**

## 产品信息

|       |   |
|-------|---|
| 反应    | Human,Mouse,Rat   |
| 宿主    | Rabbit  |
| 克隆性   | Polyclonal  |
| 预测反应  |   |
| 应用    | WB IHC IF ELISA   |
| 推荐浓度  | <b>WB:</b> 1:500 - 1:2000<br><b>IHC:</b> 1:50 - 1:200<br><b>IF:</b> 1:50 - 1:200  |
| 理论分子量 | 48kDa   |
| 实测分子量 |   |
| 形式    | Liquid  |
| 保存条件  | Store at -20°C. Avoid freeze / thaw cycles.<br>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

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| 抗原信息 | Synthesized peptide derived from Human CALR. |
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## 靶点信息

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| 研究背景  | <p>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.</p> |
| 基因ID  | 811  |
| 基因名   | CALR   |
| Swiss | P27797   |
| 别名    | CALR;CRT;HEL-S-99n;RO;SSA;cC1qR  |

#### 产品验证

#### 实验步骤

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