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# ER alpha Rabbit mAb

货号: **AYM28423**

## 产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC CHIP FC ICC/IF
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>FC:</b> 1:20 - 1:50
理论分子量	35kDa/47kDa/53kDa/66kDa
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	HeLa
细胞定位	Cell membrane,Cytoplasm,Cytoplasmic side,Cytoplasmic side,Golgi apparatus,Nucleus,Peripheral membrane protein,Single-pass type I membrane protein
纯化	Affinity purification

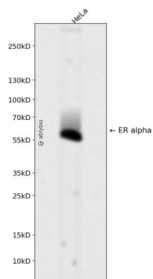
## 抗原信息

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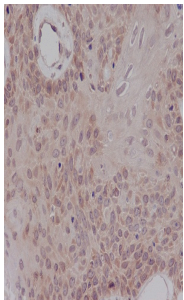
## 靶点信息

研究背景	This gene encodes an estrogen receptor, a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. The protein localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, but also play a role in other tissues such as bone. Estrogen receptors are also involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative promoter usage and alternative splicing result in dozens of transcript variants, but the full-length nature of many of these variants has not been determined.
基因ID	2099
基因名	ESR1
Swiss	P03372 ( <a href="https://www.uniprot.org/uniprotkb/P03372/entry">https://www.uniprot.org/uniprotkb/P03372/entry</a> )
别名	ER alpha,ER,ER-alpha,Era,ESR,ESR1,ESR1_HUMAN,ESRA,Estradiol receptor,Estrogen nuclear receptor alpha,Estrogen receptor 1,Estrogen receptor alpha delta 3*,4,5,6,7*,8*/941 isoform,7*/819 2 isoform,Estrogen receptor alpha delta 4 +49 isoform,Estrogen receptor alpha delta 4*,7*/654 isoform,7,8*/901 isoform,Estradiol receptor alpha E1 E2 1 2,Estrogen receptor alpha E1 N2 E2 1 2,Estrogen receptor,ESTRR,NR3A1,Nuclear receptor subfamily 3 group A member 1,ER alpha Rabbit mAb

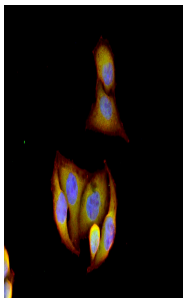
## 产品验证



Western blot analysis of ER alpha expressed in HeLa using ER alpha 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 human cervix carcinoma, using ER alpha Antibody.



The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab ER alpha and Rabbit actin for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used. The nuclear counter stain is DAP.

### 实验步骤

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