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# SHMT1 Rabbit pAb

货号: **AYP20600**

## 产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IF/ICC
推荐浓度	<b>WB:</b> 1:500 - 1:2000 <b>IF/ICC:</b> 1:50 - 1:100
理论分子量	37kDa/44kDa/49kDa/53kDa
实测分子量	37kDa/44kDa/49kDa/53kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HeLa cells, HepG2 cells
细胞定位	Cytoplasm
纯化	Affinity purification

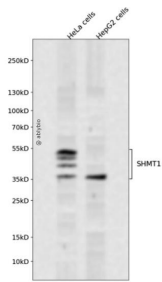
## 抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 285-444 of human SHMT1 (NP_683718.1).
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## 靶点信息

研究背景	This gene encodes the cytosolic form of serine hydroxymethyltransferase, a pyridoxal phosphate-containing enzyme that catalyzes the reversible conversion of serine and tetrahydrofolate to glycine and 5,10-methylene tetrahydrofolate. This reaction provides one-carbon units for synthesis of methionine, thymidylate, and purines in the cytoplasm. This gene is located within the Smith-Magenis syndrome region on chromosome 17. A pseudogene of this gene is located on the short arm of chromosome 1. Alternative splicing results in multiple transcript variants.
基因ID	6470
基因名	SHMT1
Swiss	P34896 ( <a href="https://www.uniprot.org/uniprotkb/P34896/entry">https://www.uniprot.org/uniprotkb/P34896/entry</a> )
别名	SHMT1,CSHMT,SHMT,SHMT1 Rabbit pAb,Glycine hydroxymethyltransferase,L-allo-threonine/L-threonine aldolase SHMT1,Serine methylase

## 产品验证



Western blot analysis of SHMT1 expressed in HeLa cells, HepG2 cells using SHMT1 Rabbit pAb 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.

## 实验步骤

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