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# Akt2 Rabbit pAb

货号: **AYP19687**

## 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/ICC
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
理论分子量	51kDa/55kDa
实测分子量	60kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	Raji,Jurkat,HeLa,HepG2,Mouse liver,Rat liver
细胞定位	Cell membrane,Cytoplasm,Early endosome,Nucleus,Peripheral membrane protein
纯化	Affinity purification

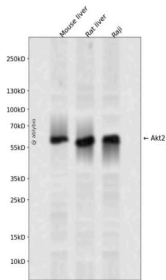
## 抗原信息

抗原信息	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human Akt2 (NP_001617.1).
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## 靶点信息

研究背景	This gene encodes a protein that is instrumental in patterning the early embryo. It has been implicated as the key inductive signal in patterning of the ventral neural tube, the anterior-posterior limb axis, and the ventral somites. Of three human proteins showing sequence and functional similarity to the sonic hedgehog protein of <i>Drosophila</i> , this protein is the most similar. The protein is made as a precursor that is autocatalytically cleaved; the N-terminal portion is soluble and contains the signalling activity while the C-terminal portion is involved in precursor processing. More importantly, the C-terminal product covalently attaches a cholesterol moiety to the N-terminal product, restricting the N-terminal product to the cell surface and preventing it from freely diffusing throughout the developing embryo. Defects in this protein or in its signalling pathway are a cause of holoprosencephaly (HPE). It is also thought that mutations in this gene or in its signalling pathway may be responsible for VACTERL syndrome. Additionally, mutations in a long range enhancer located approximately 1 megabase upstream of this gene disrupt limb patterning and can result in preaxial polydactyly.
基因ID	208
基因名	AKT2
Swiss	P31751 ( <a href="https://www.uniprot.org/uniprotkb/P31751/entry">https://www.uniprot.org/uniprotkb/P31751/entry</a> )
别名	AKT2,HIHGHH,PKBB,PKBBETA,PRKBB,RAC-BETA,Akt2 Rabbit pAb,Protein kinase Akt-2,Protein kinase B beta,RAC protein kinase beta

## 产品验证



Western blot analysis of Akt2 expressed in Mouse liver, Rat liver, Raji using Akt2 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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