



Catenin- β (I35) polyclonal antibody

货号: QS04114 宿主: 兔

反应物种: 人, 小鼠, 大鼠

Catalog: QS04114 Host: Rabbit

Reactivity: Human, Mouse, Rat

研究背景 Background:

β -连环蛋白是 Wnt 信号通路中的关键下游效应子。它与脊椎动物的两个主要生物过程有关: 早期胚胎发育和肿瘤发生。CK1 在 Ser45 位点磷酸化 β -连环蛋白。该磷酸化事件启动 β -连环蛋白进行随后的 GSK-3 β 磷酸化。GSK-3 β 通过在 Ser33、Ser37 和 Thr41 位点磷酸化 β -连环蛋白来破坏其稳定性。这些位点的突变导致 β -连环蛋白蛋白水平稳定, 并已在许多肿瘤细胞系中发现。

β -Catenin is a key downstream effector in the Wnt signaling pathway. It is implicated in two major biological processes in vertebrates: early embryonic development and tumorigenesis. CK1 phosphorylates β -catenin at Ser45. This phosphorylation event primes β -catenin for subsequent phosphorylation by GSK-3 β . GSK-3 β destabilizes β -catenin by phosphorylating it at Ser33, Ser37, and Thr41. Mutations at these sites result in the stabilization of β -catenin protein levels and have been found in many tumor cell lines.

产品 Product:

兔IgG, 1mg/mL的PBS溶液 (含0.02%叠氮化钠, 50%甘油, pH7.2)。

Rabbit IgG, 1mg/mL in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

分子量 Molecular Weight:

~ 92 kDa

Swiss-Prot:

P35222

提纯和纯度 Purification & Purity:

使用表位特异性免疫原通过亲和层析从兔抗血清中亲和纯化该抗体, 纯度>95% (SDS-PAGE)。

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

应用 Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IP: 1:50~1:200

IF: 1:100~1:500

存储和稳定性 Storage & Stability:

在 4° C 下短期储存。分装并在 -20° C 下长期储存。避免反复冻融。

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

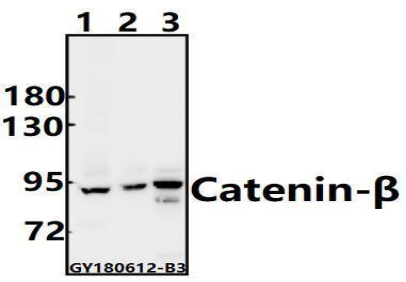
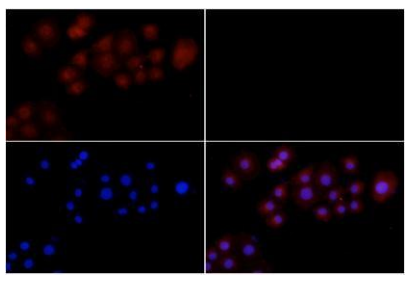
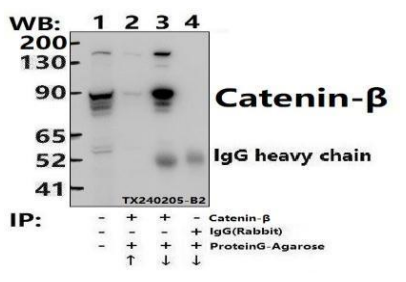
特异性 Specificity:

连环蛋白- β (I35) 多克隆抗体检测内源性的连环蛋白- β 蛋白水平。

Catenin- β (I35) polyclonal antibody detects endogenous levels of Catenin- β protein.

数据 DATA:



 <p>1 2 3</p> <p>180 130 95 72</p> <p>Catenin-β</p> <p>GY180612-B3</p> <p>连环蛋白-β (I35) pAb在1: 500稀释下的免疫印迹 (WB) 分析 Western blot (WB) analysis of Catenin-β (I35) pAb at 1:500 dilution 泳道1: HeLa全细胞裂解液 (40μg) 泳道2: 大鼠子宫组织裂解液 (40μg) 泳道3: 小鼠胚胎组织裂解液 (40μg) Lane1:HeLa whole cell lysate(40μg) Lane2:The Uterus tissue lysate of Rat(40μg) Lane3:The Embryo tissue lysate of Mouse(40μg)</p>	 <p>使用 1: 200 稀释度的 Catenin-β (I35) pAb 对 HeLa 细胞进行免疫荧光分析 (40 倍镜头)。 Immunofluorescence analysis of HeLa cells using Catenin-β (I35) pAb at dilution of 1:200 (40x lens).</p>	 <p>WB: 200 130 90 65 52 41</p> <p>1 2 3 4</p> <p>Catenin-β IgG heavy chain</p> <p>TX240205-B2</p> <p>IP: - + + - Catenin-β - - - + IgG(Rabbit) - + + + ProteinG-Agarose ↑ ↓ ↓ ↓</p> <p>使用连环蛋白-β pAb (硒-琼脂糖珠结合物) #BD0048 (泳道2和泳道3) 和非特异性IgG对照 (琼脂糖珠结合) #BD0.048 (泳道4) 对 HeLa细胞裂解物进行免疫沉淀。车道1为30%输入。使用连环蛋白-β pAb检测蛋白质印迹。 Immunoprecipitation of HeLa cell lysates using Catenin-β pAb (Se- pharose Bead Conjugate)#BD0048 (lane 2 and lane 3) and Nonspecific IgG Control (Sepharese Bead Conjugate)#BD0048 (lane 4) .Lane 1 is 30% input. The western blot was probed using Catenin-β pAb.</p>
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备注 Note:

仅供研究使用，不得用于诊断实验。

For research use only, not for use in diagnostic procedure.