



Calnexin (D577) polyclonal antibody

货号: QS04081 宿主: 兔 反应物种: 人, 小鼠, 大鼠
Catalog: QS04081 Host: Rabbit Reactivity: Human, Mouse, Rat

研究背景 Background:

钙联蛋白和钙调蛋白（也称为钙网蛋白）是定位于内质网的钙结合蛋白——钙联蛋白位于膜上，钙调蛋白位于管腔中。钙联接蛋白是一种 I 型膜蛋白，与内质网中新合成的糖蛋白相互作用。它可能在协助蛋白质组装和将未组装的蛋白质亚基保留在内质网中发挥作用。钙调蛋白具有低亲和力和高亲和力钙结合位点。钙联接蛋白和钙调蛋白均不包含钙调蛋白中发现的钙结合“EF 手形”基序。钙联接蛋白和钙调蛋白对内质网中糖蛋白的成熟很重要，并且似乎可以结合许多相同的蛋白质。

Calnexin and Calregulin (also called Calreticulin) are calcium-binding proteins that are localized to the endoplasmic reticulum—Calnexin to the membrane and Calregulin to the lumen. Calnexin is a type I membrane protein that interacts with newly synthesized glycoproteins in the endoplasmic reticulum. It may play a role in assisting with protein assembly and in retaining unassembled protein subunits in the endoplasmic reticulum. Calregulin has both low- and high-affinity calcium-binding sites. Neither Calnexin nor Calregulin contains the calcium-binding “E-F hand” motif found in calmodulins. Calnexin and Calregulin are important for the maturation of glycoproteins in the endoplasmic reticulum and appear to bind many of the same proteins.

产品 Product:

兔IgG, 1mg/mL的PBS溶液（含0.02%叠氮化钠, 50%甘油, pH为7.2）。
Rabbit IgG, 1mg/mL in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

分子量 Molecular Weight:

~ 90 kDa

Swiss-Prot:

P27824

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: 1:10~1:100

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.

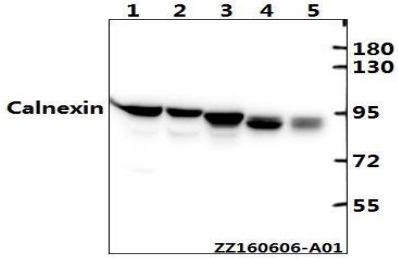
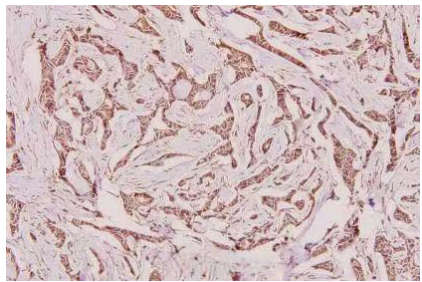
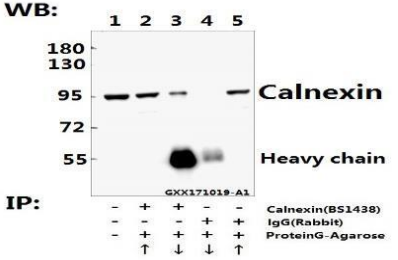
特异性 Specificity:

钙联蛋白（D577）多克隆抗体可检测钙联蛋白的内源水平。

Calnexin (D577) polyclonal antibody detects endogenous levels of Calnexin protein.



数据 DATA:

 <p>钙联蛋白 (D577) 多克隆抗体在 1: 500 稀释度下的蛋白质印迹 (WB) 分析 Western blot (WB) analysis of Calnexin (D577) polyclonal antibody at 1: 500 dilution 泳道 1: 786-O 全细胞裂解液 (40μg) 泳道 2: HEK293T 全细胞裂解液 (40μg) 泳道 3: PC12 全细胞裂解液 (40μg) 泳道4: 胎鼠肾组织裂解液 (40μg) 泳道5: 胎鼠肾组织裂解液 (40μg) Lane1:786-O whole cell lysate(40μg) Lane2:HEK293T whole cell lysate(40μg) Lane3:PC12 whole cell lysate(40μg) Lane4:The kidney tissue lysate of Fe-tal Mouse(40μg) Lane5:The kidney tissue lysate of Fe-tal Rat(40μg)</p>	 <p>免疫组织化学 (IHC) 以 1: 100 的比例分析石蜡包埋的人乳腺癌组织中钙联蛋白 (D577) pAb。 Immunohistochemistry (IHC) analyzes of Calnexin (D577) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.</p>	 <p>使用 Calnexin (D577)、pAb (琼脂糖珠偶联物) #BD0047 (泳道 2 和泳道 3) 和非特异性 IgG 对照 (琼脂糖珠偶联物) #BD0047 (泳道 4) 对 L02 全细胞裂解物进行免疫沉淀 (泳道 1 为 20% 输入。使用 Calnexin (D577) pAb #BS1438 探测蛋白质印迹。“↑” (上清液); “↓” (沉淀)) Immunoprecipitation of L02 whole cell lysate using Calnexin (D577) pAb (Sepharose Bead Conjugate) #BD0047 (lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate) #BD0047 (lane 4 and lane 5) .Lane 1 is 20% input. The western blot was probed using Calnexin (D577) pAb #BS1438. “↑” (supernatant); “↓” (deposition)</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.