Calnexin (phospho-S583) polyclonal antibody

Catalog: BS4262 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

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.

Product:

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

Molecular Weight:

~ 90 kDa

Swiss-Prot:

P27824

Purification&Purity:

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

Applications:

WB: 1:10000~1:50000

IHC: 1:50~1:1000

IP: 1:50~1:200

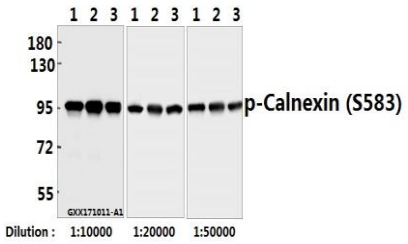
Storage&Stability:

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

Specificity:

p-Calnexin (S583) polyclonal antibody detects endogenous levels of Calnexin protein only when phosphorylated at Ser583

DATA:

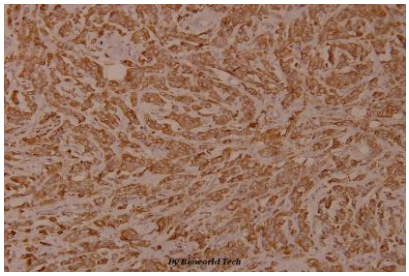


Western blot (WB) analysis of Calnexin (phospho-S583) pAb at 1:10000 to 1:50000 dilution

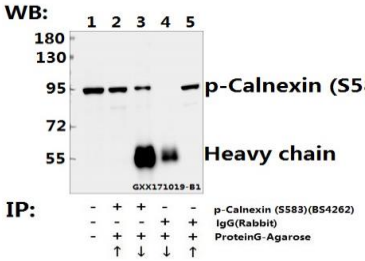
Lane1:HEK293T whole cell lysate(40ug)

Lane2:SGC7901 whole cell lysate(40ug)

Lane3:A375 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-Calnexin (S583) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.



Immunoprecipitation of L02 whole cell lysate using Calnexin (phospho-S583) 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 (phospho-S583) pAb #BS4262. "↑"（supernatant）; "↓"（deposition）

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

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