OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA392912

Calnexin (CANX) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:10000~1:50000 IHC: 1:50~1:1000 IP: 1:50~1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide derived from human Calnexin around the phosphorylation site of Serine 583.
Specificity:	p-Calnexin (S583) polyclonal antibody detects endogenous levels of Calnexin protein only when phosphorylated at Ser583
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 90 kDa
Gene Name:	calnexin
Database Link:	Entrez Gene 821 Human P27824

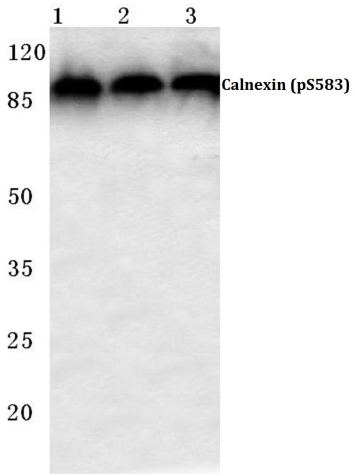
View online »

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.

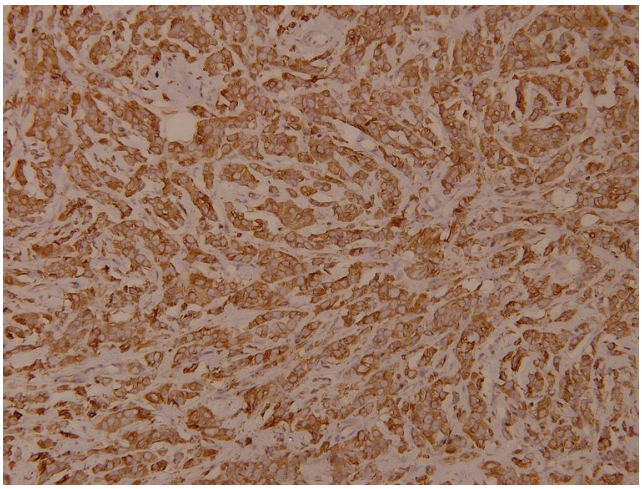
Synonyms: Calnexin; CANX; IP90; Major histocompatibility complex class I antigen-binding protein p88; p90

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

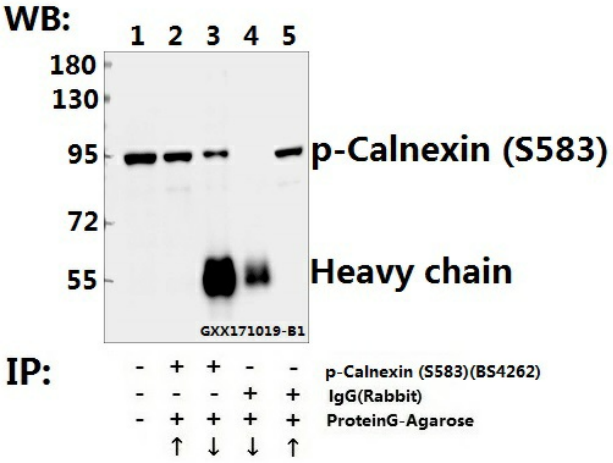
Product images:



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 #TA392912.“↑”supernatant; “↓”deposition