Calnexin (Phospho-Ser583) Antibody

Catalog Number: E11-0463A

Concentration: 1mg/ml

Swiss-Prot No.: P27824

Other Names: CALX, CANX, IP90, Major histocompatibility complex class I antigen-binding protein p88, p90

All Sites: Human: Ser583; Mouse: Ser582; Rat: Ser582

Storage/Stability: Store at -20℃/1 year

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human Calnexin around the phosphorylation site of serine 583 (N-R-S^{P}-P-R).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

Specificity: Calnexin (Phospho-Ser583) antibody detects endogenous levels of Calnexin only when phosphorylated at serine 583.

Reactivity: Human, Mouse, Rat

Applications: WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:5000

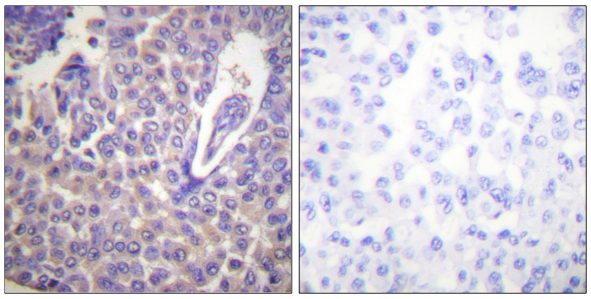
References:

Shaun P Brothers, J. Mol. Endocrinol., Dec 2006; 37: 479 - 488.

Vilasack Thammavongsa, J. Biol. Chem., Sep 2005; 280: 33497 - 33505.

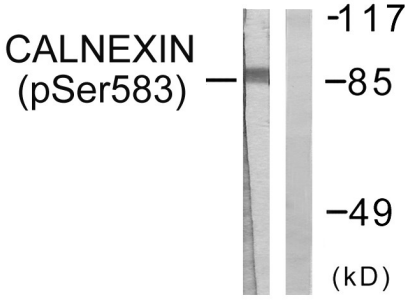
Yasushi Okazaki, J. Biol. Chem., Nov 2000; 275: 35751.

Milka Popov, J. Biol. Chem., Jun 1999; 274: 17635.



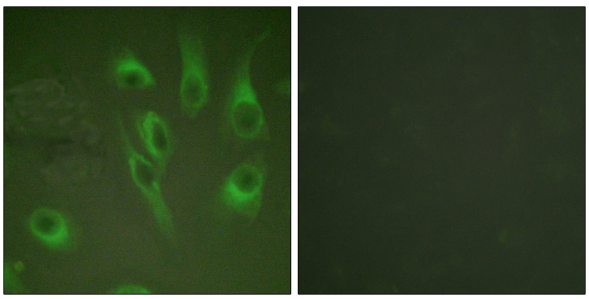
P-peptide - +

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using Calnexin (Phospho-Ser583) antibody.



EGF + +
P-peptide - +

Western blot analysis of extracts from HeLa cells, treated with EGF (200ng/ml, 30mins), using Calnexin (Phospho-Ser583) antibody.



P-peptide - +

Immunofluorescence analysis of HeLa cells, using Calnexin (Phospho-Ser583) antibody.