

Product Datasheet

Cpn10 Antibody: Biotin (orb152100)

Catalog Number orb152100

Category Antibodies

Description Rabbit polyclonal to Cpn10 (Biotin). Chaperonin 10, otherwise known as Cpn10,

(groES in E. coli) make up a family of small heart shock proteins with an

approximate molecular mass of 10kDa (Hsp10s). Cpn10 acts as a co-chaperone and interacts with the Hsp60 family to promote proper folding of polypeptides. Cpn10 and Cpn60 both exhibit sevenfold axis of symmetry and function as a team in the protein folding and assembly process. Cpn10 has been located in human platelets, but is also present in human maternal serum. It has been reported that human Cpn10 is identical with early pregnancy factor, which is involved in control over cell growth and development. This identification suggest that Cpn10 may act like a hormone in stressful situations such as pregnancy..

Target Cpn10

Clonality Polyclonal

Species/Host Rabbit

Conjugation Biotin

Reactivity Bovine, Canine, Frog, Guinea pig, Human, Mouse, Porcine, Rabbit, Rat, Sheep

Concentration 1 mg/ml

Buffer/Preservatives 136.36mM Ethanolamine, and 9.55mM Sodium Bicarbonate in 95.45% PBS

Purification Protein A Purified

Immunogen Human Cpn10 peptide AA 91-101

UniProt ID P61604

MW 10kDa





Tested applications ELISA, ICC, IF, IHC, WB

Dilution range WB (1:1000), IHC (1:100)

Application notes 1 μ g/ml of SPC-193 was sufficient for detection of Cpn10 in 10 μ g of Hela lysates

by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the

secondary antibody.

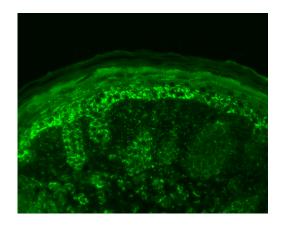
Storage Conjugated antibodies should be stored according to the product label

Note For research use only

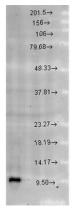
Entrez 3336

NCBI NP 002148.1

Expiration Date 12 months from date of receipt.



Immunohistochemistry analysis using Rabbit Anti-Cpn10
Polyclonal Antibody. Tissue: backskin. Species: Mouse. Fixation:
Bouin's Fixative Solution. Primary Antibody: Rabbit Anti-Cpn10
Polyclonal Antibody at 1:100 for 1 hour at RT. Secondary
Antibody: FITC Goat Anti-Rabbit (green) at 1:50 for 1 hour at RT.
Localization: Strong basal layer punctate staining in the cytoplasm, weakens as it ascends to upper epidermis.



Western blot analysis of Rat brain cell lysates showing detection of Cpn10 protein using Rabbit Anti-Cpn10 Polyclonal Antibody. Load: 15 µgprotein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Rabbit Anti-Cpn10 Polyclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Donkey Anti-Rabbit IgG: HRP for 1 hour at RT.