

## Product Datasheet

### Cpn10 Antibody: Biotin (orb152100)

<b>Description</b>	Rabbit polyclonal to Cpn10 (Biotin). Chaperonin 10, otherwise known as Cpn10, (groES in E. coli) make up a family of small heat 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..
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Bovine, Canine, Frog, Guinea pig, Human, Mouse, Porcine, Rabbit, Rat, Sheep
<b>Conjugation</b>	Biotin
<b>Tested Applications</b>	ELISA, ICC, IF, IHC, WB
<b>Immunogen</b>	Human Cpn10 peptide AA 91-101
<b>Target</b>	Cpn10
<b>Preservatives</b>	136.36mM Ethanolamine, and 9.55mM Sodium Bicarbonate in 95.45% PBS
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Conjugated antibodies should be stored according to the product label
<b>Note</b>	For research use only
<b>Application notes</b>	1 µg/ml of SPC-193 was sufficient for detection of Cpn10 in 10 µg of Hela lysates by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.
<b>Clonality</b>	Polyclonal

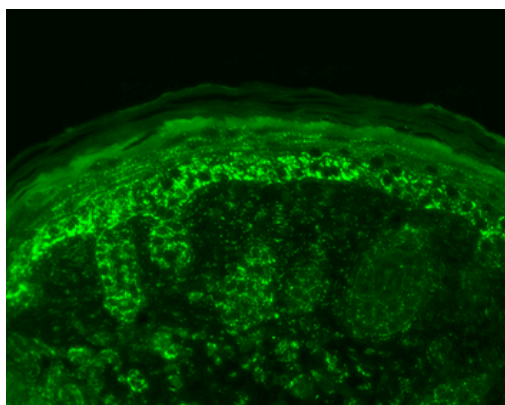
**Biorbyt Ltd.**

7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

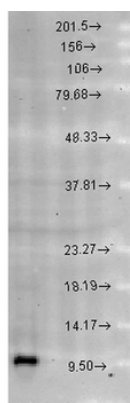
**Biorbyt LLC.**

68 TW Alexander Drive,  
Durham, NC, 27713, United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

<b>MW</b>	10kDa
<b>Uniprot ID</b>	<b>P61604</b>
<b>NCBI</b>	<b>NP_002148.1</b>
<b>Entrez</b>	<b>3336</b>
<b>Dilution Range</b>	WB (1:1000), IHC (1:100)
<b>Expiration Date</b>	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.

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7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

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Durham, NC, 27713, United States  
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Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)