

Datasheet for ABIN361678  
**anti-HSPE1 antibody (AA 91-101)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	HSPE1
Binding Specificity:	AA 91-101
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSPE1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Human Cpn10 peptide AA 91-101
Specificity:	Detects ~ 10 kDa.
Cross-Reactivity:	Cow, Dog, Guinea Pig, Human, Mouse, Pig, Rabbit, Rat, Sheep, Xenopus laevis
Purification:	Protein A Purified

## Target Details

Target:	HSPE1
Alternative Name:	Cpn10 ( <a href="#">HSPE1 Products</a> )
Background:	Chaperonin 10, otherwise known as Cpn10, (groES in E.coli) make up a family of small heart

## Target Details

shock proteins with an approximate molecular mass of 10 kDa (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 (1). Cpn10 has been located in human platelets, but is also present in human maternal serum (2, 3). 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 (4).

Gene ID: 3336

NCBI Accession: [NP\\_002148](#)

UniProt: [P61604](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

## Application Details

Application Notes:

- WB (1:1000)
- IHC (1:100)
- optimal dilutions for assays should be determined by the user.

Comment: 1 µg/ml of ABIN361677 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.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

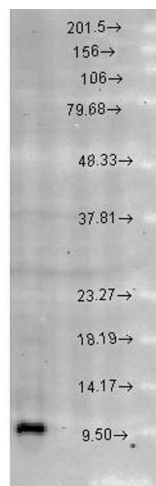
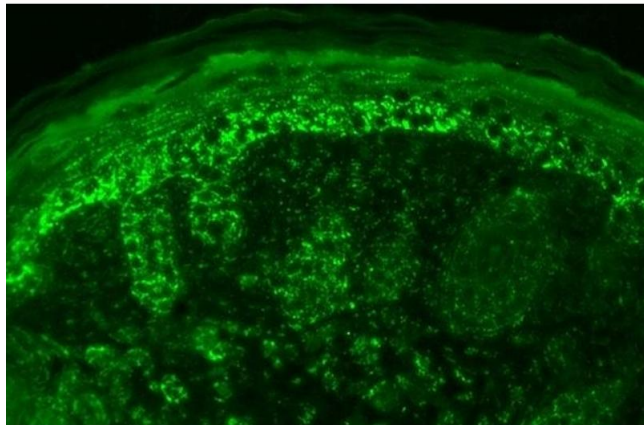
Buffer: PBS pH 7.3, 0.02 % sodium azide, Storage buffer may change when conjugated

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C



## Immunohistochemistry

**Image 1.** Immunohistochemistry analysis using Rabbit Anti-Cpn10 Polyclonal Antibody (ABIN361677 and ABIN361678). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative Solution. Primary Antibody: Rabbit Anti-Cpn10 Polyclonal Antibody (ABIN361677 and ABIN361678) 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..

**Image 2.** Cpn10, Rat brain extract