

## HSP10 Antibody

Catalog No: #33405

Package Size: #33405-1 50ul #33405-2 100ul

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## Description

Product Name	HSP10 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total HSP10 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human HSP10.
Target Name	HSP10
Other Names	CHAPERONIN 10 HOMOLOG; GroES HOMOLOG; HEAT-SHOCK 10-KD PROTEIN; cpn10 HOMOLOG; heat shock 10kDa protein 1 (chaperonin 10)
Accession No.	Swiss-Prot: P61604NCBI Gene ID: 3336
SDS-PAGE MW	10kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

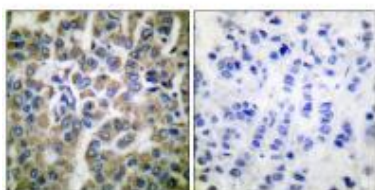
## Application Details

Western blotting: 1:500~1:3000

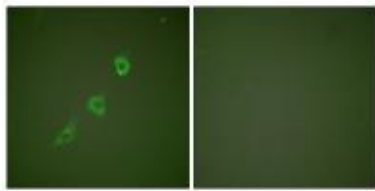
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:500

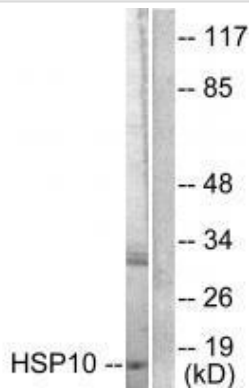
## Images



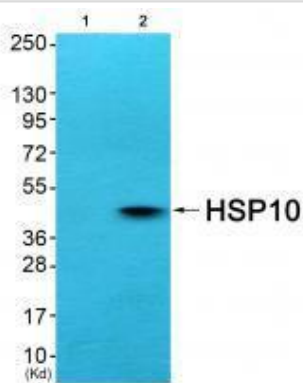
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HSP10 antibody #33405.



Immunofluorescence analysis of NIH/3T3 cells, using HSP10 antibody #33405.



Western blot analysis of extracts from NIH/3T3 cells, using HSP10 antibody #33405.



Western blot analysis of extracts from COS7 cells (Lane 2), using HSP10 antibody #33405. The lane on the left is treated with synthesized peptide.

## Background

Eukaryotic CPN10 homolog which is essential for mitochondrial protein biogenesis, together with CPN60. Binds to CPN60 in the presence of Mg-ATP and suppresses the ATPase activity of the latter. HAMAP-Rule MF\_00580

Yue-xin Shan, J. Biol. Chem., Nov 2003; 278: 45492 - 45498.

David LaVerda, Infect. Immun., Jan 2000; 68: 303 - 309.

K?re L. Nielsen, J. Bacteriol., Sep 1999; 181: 5871 - 5875.

Kurt M. Lin, Circulation, Apr 2001; 103: 1787 - 1792.

## Published Papers

el at., NAD<sup>+</sup> repletion Inhibits the endothelial-to-mesenchymal transition Induced by TGF- $\beta$  In endothelial cells through improvIng mitochondrial unfolded protein response. In Int J Biochem Cell Bio on 2019 Dec by Zhang M, Weng H, et al..PMID:31626975, , (2019)

[PMID:31626975](https://pubmed.ncbi.nlm.nih.gov/31626975/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.