

HSP10 Polyclonal Antibody

Catalog No :	YT2248
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	HSP10
Gene Name :	HSPE1
Protein Name :	10 kDa heat shock protein mitochondrial
Human Gene Id :	3336
Human Swiss Prot No :	P61604
Mouse Gene Id :	15528
Mouse Swiss Prot No :	Q64433
Rat Swiss Prot No :	P26772
Immunogen :	The antiserum was produced against synthesized peptide derived from human HSP10. AA range:51-100
Specificity :	HSP10 Polyclonal Antibody detects endogenous levels of HSP10 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 10kD

Background : This gene encodes a major heat shock protein which functions as a chaperonin. Its structure consists of a heptameric ring which binds to another heat shock protein in order to form a symmetric, functional heterodimer which enhances protein folding in an ATP-dependent manner. This gene and its co-chaperonin, HSPD1, are arranged in a head-to-head orientation on chromosome 2. Naturally occurring read-through transcription occurs between this locus and the neighboring locus MOBKL3.[provided by RefSeq, Feb 2011],

Function : function: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.,induction:By stress.,mass spectrometry: PubMed:7912672,similarity:Belongs to the groES chaperonin family.,subunit:Homohexamer.,

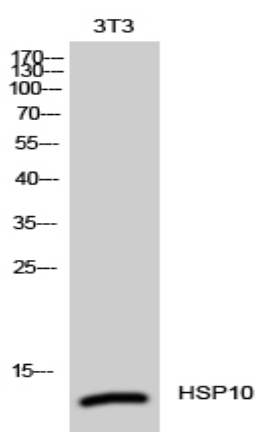
Subcellular Location : Mitochondrion matrix.

Expression : B-cell lymphoma,Uterus,

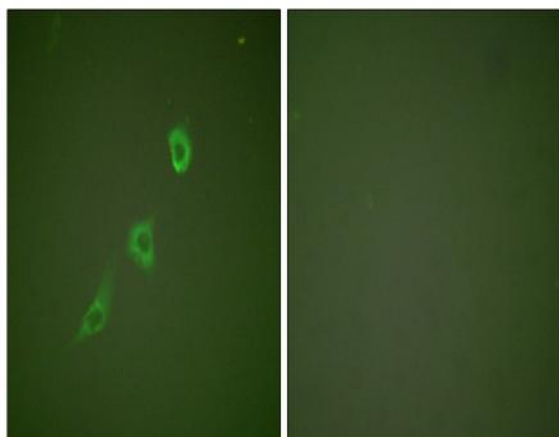
Sort : 7885

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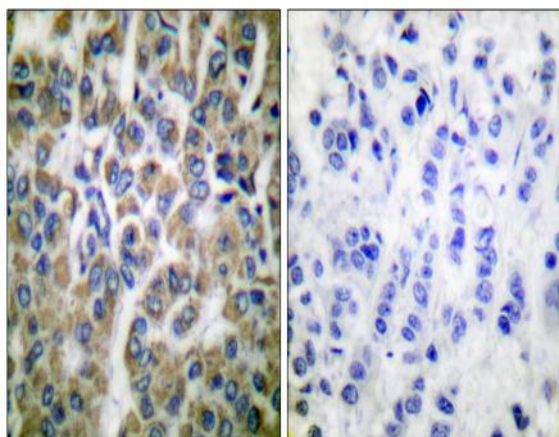
Products Images



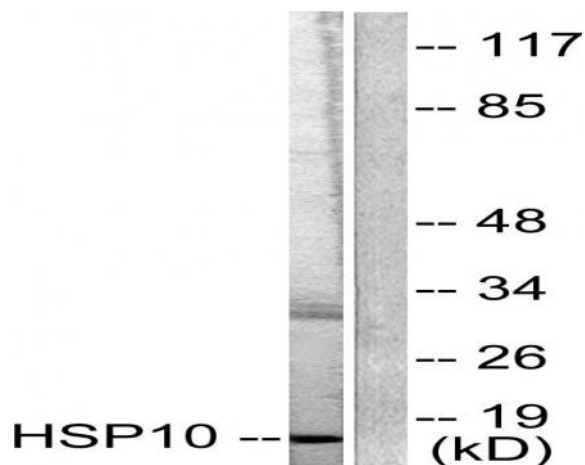
Western Blot analysis of 3T3 cells using HSP10 Polyclonal Antibody



Immunofluorescence analysis of NIH/3T3 cells, using HSP10 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using HSP10 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from NIH/3T3 cells, using HSP10 Antibody. The lane on the right is blocked with the synthesized peptide.