



HSP10 Rabbit mAb

Catalog No	YP-rAb-18437
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	HSPE1
Protein Name	10 kDa heat shock protein mitochondrial
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:500-1:2000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	HSP10;10 kDa heat shock protein mitochondrial;HSPE1 ; 10 kDa heat shock protein ; mitochondrial ; Hsp10 ; 10 kDa chaperonin ; Chaperonin 10 ; CPN10 ; Early-pregnancy factor ; EPF;HSPE1
Observed Band	11kD
Calculated Molecular Weight	11kD
Cell Pathway	Mitochondrion matrix.
Tissue Specificity	B-cell lymphoma,Uterus,
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:Homo-hexamers.,
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],

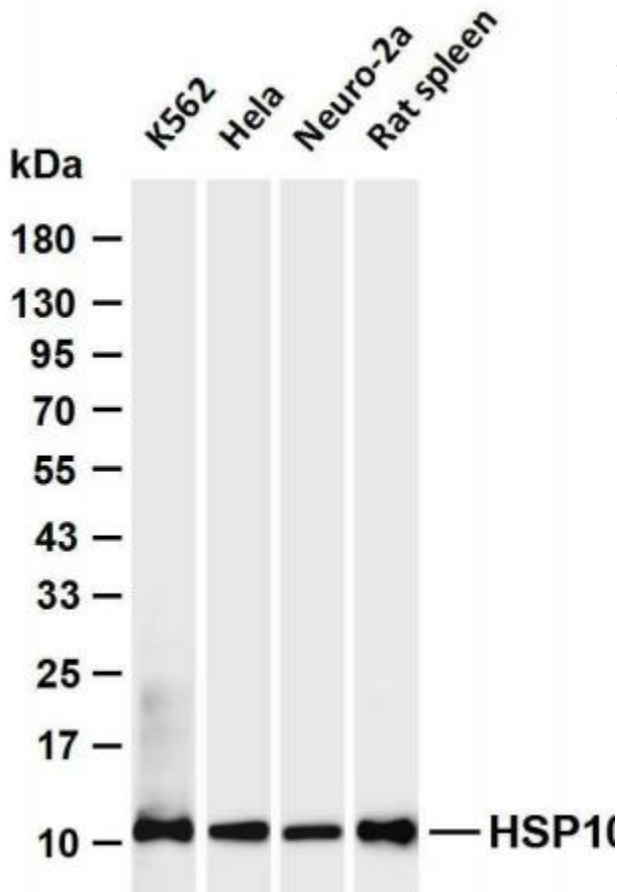


matters needing attention

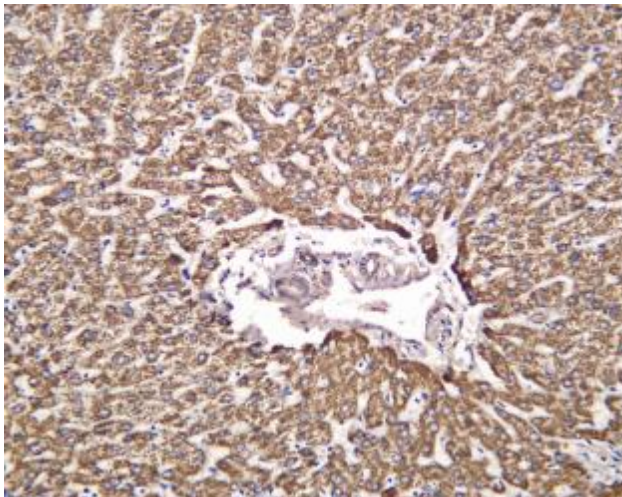
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-HSP10 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: K562 Lane 2: HeLa Lane 3: Neuro-2a Lane 4: Rat spleen Predicted band size: 11kDa Observed band size: 11kDa



Human liver was stained with anti-HSP10 Rabbit antibody

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