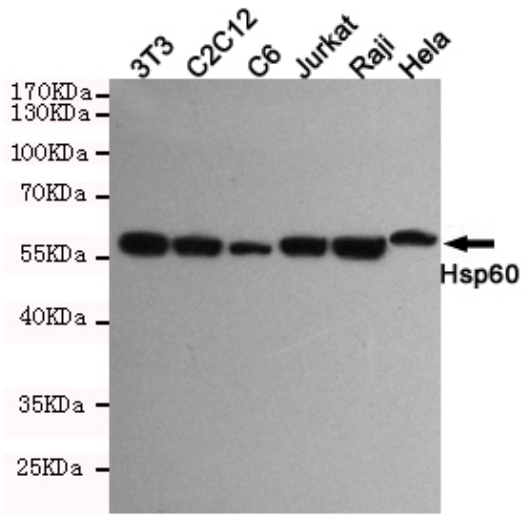
Hsp60 mouse mAb

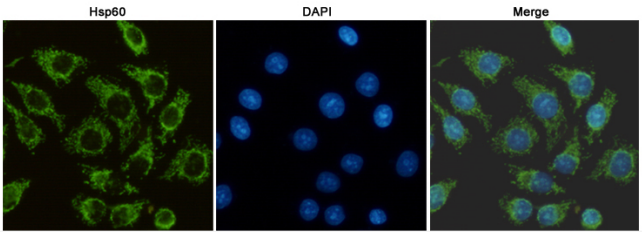
Catalog No	BYab-03474
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IF;IP
Gene Name	hsp60
Protein Name	
Immunogen	Purified recombinant human Hsp60 protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of Hsp60 and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb dilution 1:1000 icc dilution 1:100 ip dilution 1:100. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	60 kDa chaperonin;60 kDa heat shock protein mitochondrial;60 kDa heat shock protein, mitochondrial;CH60_HUMAN;Chaperonin 60;Chaperonin;Chaperonin, 60-KD;CPN 60;CPN60;fa04a05;GROEL;GroEL Homolog;Heat shock 60kD protein 1 chaperonin;Heat shock 60kDa protein 1;Heat shock protein 1 (chaperonin);Heat Shock Protein 60;Heat shock protein 65;HLD4;Hsp 60;HSP 65;HSP-60;HSP60;HSP65;HSPD 1;HSPD1;HuCHA60;Mitochondrial matrix protein P1;P60 lymphocyte protein;Short heat shock protein 60 Hsp60s1;Spastic paraplegia 13;SPG 13;SPG13.
Observed Band	60kD
Cell Pathway	Mitochondrion matrix.
Tissue Specificity	Adipocyte,Adrenal gland,B-cell lymphoma,Brain,Cajal-Retzius
Function	disease:Defects in HSPD1 are a cause of spastic paraplegia autosomal dominant type 13 (SPG13) [MIM:605280]. Spastic paraplegia is a degenerative spinal cord

	disorder characterized by a slow, gradual, progressive weakness and spasticity of the lower limbs.,disease:Defects in HSPD1 are the cause of leukodystrophy hypomyelinating type 4 (HLD4) [MIM:612233]; also called mitochondrial HSP60 chaperonopathy or MitCHAP-60 disease. HLD4 is a severe autosomal recessive hypomyelinating leukodystrophy. Clinically characterized by infantile-onset rotary nystagmus, progressive spastic paraplegia, neurologic regression, motor impairment, profound mental retardation. Death usually occurrs within the first 2 decades of life.,function:Implicated in mitochondrial protein import and macromolecular assembly. May facilitate the correct folding of imported proteins. May also prevent misfolding and promote the
Background	This gene encodes a member of the chaperonin family. The encoded mitochondrial protein may function as a signaling molecule in the innate immune system. This protein is essential for the folding and assembly of newly imported proteins in the mitochondria. This gene is adjacent to a related family member and the region between the 2 genes functions as a bidirectional promoter. Several pseudogenes have been associated with this gene. Two transcript variants encoding the same protein have been identified for this gene. Mutations associated with this gene cause autosomal recessive spastic paraplegia 13. [provided by RefSeq, Jun 2010],
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.

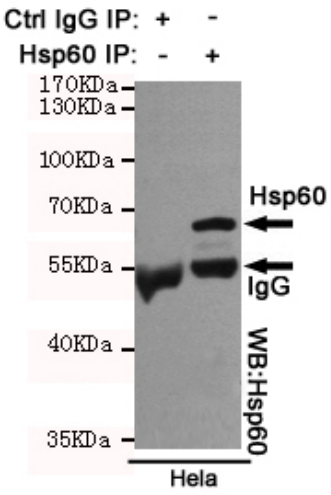
Products Images



Western blot detection of Hsp60 in Hela,Raji,Jurkat,C6,C2C12 and 3T3 cell lysates using Hsp60 mouse mAb (1:1000 diluted).Predicted band size:60KDa.Observed band size:60KDa.



Immunocytochemistry staining of HeLa cells fixed with -20℃ Methanol and using Hsp60 mouse mAb (dilution 1:100).



Immunoprecipitation analysis of Hela cell lysates using Hsp60 mouse mAb.