

HSP60 (ABT186) mouse mAb

Catalog No :	YM4826
Reactivity :	Human;Mouse;Rat;
Applications :	IHC;WB;IF;ELISA
Target :	Hsp60
Fields :	>>RNA degradation;>>Type I diabetes mellitus;>>Legionellosis;>>Tuberculosis;>>Lipid and atherosclerosis
Gene Name :	MAPK7
Protein Name :	HSP60
Human Gene Id :	3329
Human Swiss Prot	P10809
No: Immunogen:	Synthesized peptide derived from human HSP60 AA range: 500-573
Specificity :	The antibody can specifically recognize human HSP60 protein. In western blotting of K562, A431, MCF7 cell lysates, the antibody can label a 60 kDa band corresponding to HSP60.
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Mouse, Monoclonal/IgG2b, kappa
Dilution :	IHC 1:200-1000. WB 1:500-2000. IF 1:100-500. ELISA 1:1000-5000
Purification :	Protein G
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	60kD
Observed Band :	60kD



Background :	HSPs are a group of stress proteins induced by cells stimulated by stressors, which are related to tumorigenesis, proliferation and differentiation. According to their molecular weight, they can be divided into three types, and the distribution and function of HSPs in each group are different. HSP60 is mainly used for the study of colon cancer, tongue squamous cell carcinoma, pancreatic cancer and breast cancer, and may have prognostic significance.
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
Subcellular	Cytoplasmic
Expression :	Cytoplasmic
Sort :	800
No4 :	1



Products Images

Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-HSP60 antibody. The HRP-conjugated anti-Mouse IgG antibody was used to detect the antibody.

HSP60





Human breast carcinoma tissue was stained with Anti-HSP60 (ABT186) Antibody

Human colon carcinoma tissue was stained with Anti-HSP60 (ABT186) Antibody

Human hepatocellular carcinoma tissue was stained with Anti-HSP60 (ABT186) Antibody





Human kidney tissue was stained with Anti-HSP60 (ABT186) Antibody

Human liver tissue was stained with Anti-HSP60 (ABT186) Antibody