



OMA1 rabbit pAb

货号	BYab-17996
同位型	IgG
应用	WB
种属	Human;Mouse;Rat
靶点	OMA1
基因名称	OMA1 MPRP1
蛋白名称	Metalloendopeptidase OMA1, mitochondrial (EC 3.4.24.-) (Metalloprotease-related protein 1) (MPRP-1) (Overlapping with the m-AAA protease 1 homolog)
免疫原	Synthesized peptide derived from human OMA1
特异性	This antibody detects endogenous levels of OMA1 at Human, Mouse,Rat
组成	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
来源	Polyclonal, Rabbit,IgG
稀释	WB 1:500-2000
纯化工艺	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
分子量	58kD
功能	Metalloprotease that is part of the quality control system in the inner membrane of mitochondria . Activated in response to various mitochondrial stress, leading to the proteolytic cleavage of target proteins, such as OPA1, UQCC3 and DELE1 . Following stress conditions that induce loss of mitochondrial membrane potential, mediates cleavage of OPA1 at S1 position, leading to OPA1 inactivation and negative regulation of mitochondrial fusion . Also acts as a regulator of apoptosis: upon BAK and BAX aggregation, mediates cleavage of OPA1, leading to the remodeling of mitochondrial cristae and allowing the release of cytochrome c from mitochondrial cristae . In depolarized mitochondria, may also act as a backup protease for PINK1 by mediating PINK1 cleavage and promoting its subsequent degradation by the proteasome . May also cleave UQCC3 in response to mitochondrial depolarization . Also ac
细胞定位	Mitochondrion inner membrane ; Single-pass membrane protein .
组织表达	Widely expressed, with strong expression in the heart, skeletal muscle, kidney and liver.
浓度	1 mg/ml
储存	-15°C to -25°C/1 year(Do not lower than -25°C)

Nanjing BYabscience technology Co.,Ltd



有关注意事项

Avoid repeated freezing and thawing!

使用建议

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

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