

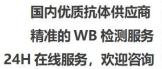


OMA1 mouse mAb

BYmab-17996
IaC
lgG
Human;Mouse;Rat
WB
OMA1 MPRP1
Metalloendopeptidase OMA1, mitochondrial (EC 3.4.24) (Metalloprotease-related protein 1) (MPRP-1) (Overlapping with the m-AAA protease 1 homolog)
Synthesized peptide derived from human OMA1
This antibody detects endogenous levels of OMA1 at Human, Mouse,Rat
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Monoclonal, Mouse,IgG
The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
WB 1:500-2000
1 mg/ml
≥90%
-20°C/1 year
58kD
Mitochondrion inner membrane ; Single-pass membrane protein .
Widely expressed, with strong expression in the heart, skeletal muscle, kidney and liver.
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

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	degradation by the proteasome . May also cleave UQCC3 in response to mitochondrial depolarization . Also ac
Background	
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

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