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TIMM44 Rabbit mAb

Catalog # AP76177

Product Information

Application	WB, FC, IP
Primary Accession	O43615
Reactivity	Rat, Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	51356

Additional Information

Gene ID	10469
Other Names	TIMM44
Dilution	WB~~1:500-1:1000 FC~~1:200-1:500 IP~~1:50-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

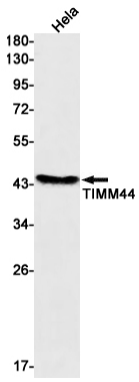
Name	TIMM44
Synonyms	MIMT44, TIM44
Function	Essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner (By similarity). Recruits mitochondrial HSP70 to drive protein translocation into the matrix using ATP as an energy source (By similarity).
Cellular Location	Mitochondrion inner membrane; Peripheral membrane protein; Matrix side. Mitochondrion matrix

Background

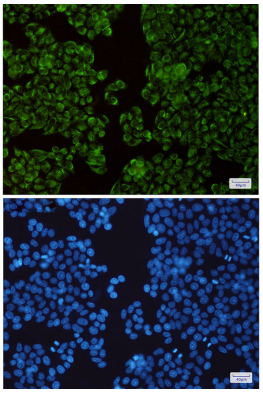
Essential component of the PAM complex, a complex required for the translocation of transit

peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. Recruits mitochondrial HSP70 to drive protein translocation into the matrix using ATP as an energy source.

Images



Western blot analysis of TIMM44 in Hela lysates using TIMM44 antibody.



Immunocytochemistry analysis of TIMM44(green) in Hela using TIMM44 antibody,and DAPI(blue)