

Recombinant Anti-Tim44 Rabbit mAb

Catalog # AP95141

Product Information

Application	WB, FC, IP, IF/IC
Primary Accession	O43615
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	51356

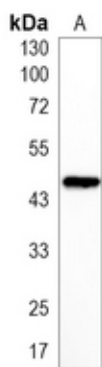
Additional Information

Gene ID	10469
Other Names	MIMT44; TIM44; Mitochondrial import inner membrane translocase subunit TIM44
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Tim44 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

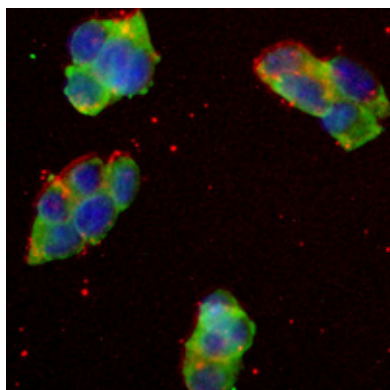
Protein Information

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

Images



Western blot analysis of Tim44 expression in K562 (A) whole cell lysates. (Predicted band size: 51 kD; Observed band size: 45 kD)



Immunofluorescent analysis of Tim44 staining in K562 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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