

TIMM22 Rabbit pAb

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Catalog # AP57719

Product Information

Application	WB
Primary Accession	Q9Y584
Reactivity	Human
Predicted	Rat, Pig, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20031
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TIMM22
Epitope Specificity	21-120/194
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Mitochondrion inner membrane; Multi-pass membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	TIMM22 is an essential core component of the TIM22 protein insertion complex, a complex that mediates the import and insertion of multi-pass transmembrane proteins into the mitochondrial inner membrane. In the TIM22 complex, it constitutes the voltage-activated, signal-gated hydrophilic high-conductance channel. It forms a twin-pore translocase that uses the membrane potential as an external driving force in 2 voltage-dependent steps.

Additional Information

Gene ID	29928
Other Names	Mitochondrial import inner membrane translocase subunit Tim22, Testis-expressed protein 4, TIMM22, TEX4, TIM22
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

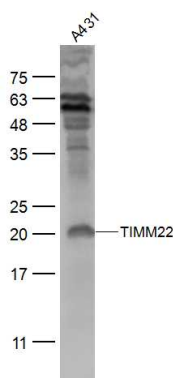
Protein Information

Name	TIMM22
Synonyms	TEX4, TIM22
Function	Essential core component of the TIM22 complex, a complex that mediates the import and insertion of multi-pass transmembrane proteins into the mitochondrial inner membrane. In the TIM22 complex, it constitutes the voltage-activated and signal-gated channel. Forms a twin-pore translocase that uses the membrane potential as external driving force in 2 voltage-dependent steps (By similarity).
Cellular Location	Mitochondrion inner membrane; Multi-pass membrane protein

Background

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Images



Sample:
A431(Human) Cell Lysate at 30 ug
Primary: Anti-TIMM22 (AP57719) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 20 kD
Observed band size: 20 kD

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