Rabbit TIMM44 Polyclonal Antibody | anti-TIMM44 antibody

TIMM44 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323156	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

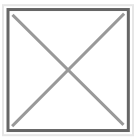
PRODUCT SYNONYMS

TIMM44; Polyclonal Antibody; TIMM44 Antibody; DKFZp686H05241; MIMT44; Mitochondrial inner membrane translocase; TIM44; Translocase of inner mitochondrial membrane 44; Translocase of inner mitochondrial membrane 44 homolog (yeast); anti-TIMM44 antibody

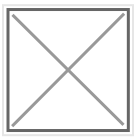
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TIMM44 antibody detects endogenous levels of TIMM44.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	452
Applicable Applications for anti-TIMM44 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TIMM44.
Subcellular Location	Mitochondrion
Predicted Cross Reactivity	**Horse, Dog**
Similarity	Horse (91%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of Jurkat cells, using TIMM44 antibody.



IHC (Immunohistochemistry)
AAA323156 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-TIMM44 antibody	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. Recruits mitochondrial HSP70 to drive protein translocation into the matrix using ATP as an energy source. Subunit Structure: Probable component of the PAM complex at least composed of a mitochondrial HSP70 protein, GRPEL1 or GRPEL2, TIMM44, TIMM16/PAM16 and TIMM14/DNAJC19 (By similarity). The complex interacts with the TIMM23 component of the TIM23 complex. Similarity: Belongs to the Tim44 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33636719
NCBI GeneID	10469
NCBI Accession #	NP_006342.2
NCBI GenBank Nucleotide #	NM_006351.3
UniProt Accession #	O43615; Q8N193; A8K0R9; D6W664
Molecular Weight	Observed: 45 kDa Predicted: 52 kDa
NCBI Official Full Name	mitochondrial import inner membrane translocase subunit TIM44
NCBI Official Synonym Full Names	translocase of inner mitochondrial membrane 44
NCBI Official Symbol	TIMM44
NCBI Official Synonym Symbols	TIM44
NCBI Protein Information	mitochondrial import inner membrane translocase subunit TIM44
UniProt Protein Name	Mitochondrial import inner membrane translocase subunit TIM44
UniProt Gene Name	**TIMM44**
UniProt Synonym Gene Names	MIMT44; TIM44

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/timm44-antibody-immunohistochemistry-western-blot-elisa/323156