

Rabbit TIMM44 Polyclonal Antibody | anti-TIMM44 antibody

TIMM44 Rabbit pAb

CATALOG # AAA281789	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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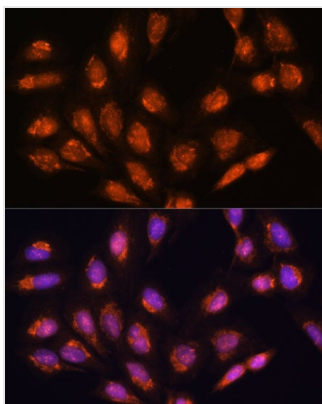
PRODUCT SYNONYMS

TIMM44; Polyclonal Antibody; TIMM44 Rabbit pAb; TIM44; anti-TIMM44 antibody

PRODUCT SPECIFICATIONS

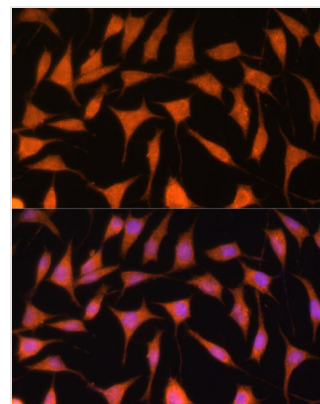
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	AKTAKQSAES VSKGGEKLGR TAAFRALSQG VESVKKEIDD SVLGQTGPYR RPQRLRK RTE FAGDKFKEEK VFEPNEEALG VVLHKDSKWY QQWKDFKENN VVFNRFEMK MKYDESDNAF IRASRALTDK VTDLLGGLFS KTEMSEVLTE ILRVDPAFDK DRFLKQCEND IIPNVLEAMI SGELDILKDW CYEATYSQLA HPIQQA KALG LQFHRSRILD I DNVDLAMGKM MEQGPVLIIT FQAQLVMVVR NPKGEVVEGD PDKVLRMLYV WALCRDQDEL NPYAAWRLLD ISASSTEQIL
Applicable Applications for anti-TIMM44 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 153-452 of human TIMM44 (NP_006342.2).
Positive Samples	U-87MG, K562, mouse liver, rat kidney
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



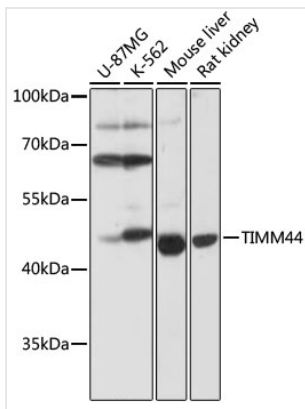
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using TIMM44 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using TIMM44 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)
 Western blot analysis of extracts of various cell lines, using TIMM44 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.

ADDITIONAL INFORMATION

Related Product Information for anti-TIMM44 antibody	Background: This gene encodes a peripheral membrane protein associated with the mitochondrial inner membrane translocase, which functions in the import of proteins across the mitochondrial inner membrane and into the mitochondrial matrix. The encoded protein mediates binding of mitochondrial heat shock protein 70 to the translocase of inner mitochondrial membrane 23 (TIM23) complex. Expression of this gene is upregulated in kidney in a mouse model of diabetes. A mutation in this gene is associated with familial oncocyctic thyroid carcinoma.
Product Categories/Family for anti-TIMM44 antibody	Endocrine & Metabolism; Mitochondrial metabolism; Mitochondrial Biogenesis

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	51,356 Da
NCBI Official Full Name	mitochondrial import inner membrane translocase subunit TIM44
NCBI Official Synonym Full Names	translocase of inner mitochondrial membrane 44 homolog (yeast)
NCBI Official Symbol	TIMM44
NCBI Official Synonym Symbols	TIM44
NCBI Protein Information	mitochondrial import inner membrane translocase subunit TIM44; mitochondrial inner membrane translocase
UniProt Protein Name	Mitochondrial import inner membrane translocase subunit TIM44
UniProt Gene Name	TIMM44
UniProt Synonym Gene Names	MIMT44; TIM44
UniProt Entry Name	TIM44_HUMAN

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.

