

## Rabbit Anti-TOMM22/AP Conjugated antibody

SL17225R-AP

<b>Product Name</b>	Anti-TOMM22/AP
<b>Chinese Name</b>	碱性磷酸酶 (AP) 标记的 TOMM22 蛋白抗体
<b>Alias</b>	1C9 2; hTom 22; hTom22; Mitochondrial import receptor subunit TOM 22 homolog; Mitochondrial import receptor subunit TOM22 homolog; Mitochondrial import receptor Tom 22; Mitochondrial import receptor Tom22; MST 065; MST065; MSTP 065; MSTP065; TOM 22; TOM22_HUMAN; TOM22; TOMM 22; Translocase of outer membrane 22 kDa subunit homolog; Translocase of outer mitochondrial membrane 22 homolog.
<b>Research Area</b>	Cell biology Signal transduction transcriptional regulatory factor
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Rat(predicted:Human,Mouse,Dog,Pig,Cow,Horse,Sheep) IHC-P=1:100-500,IHC-F=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	15kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human TOMM22
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b>

The protein encoded by this gene is an integral membrane protein of the mitochondrial outer membrane. The encoded protein interacts with TOMM20 and TOMM40, and forms a complex with several other proteins to import cytosolic preproteins into the mitochondrion. [provided by RefSeq, Jul 2008]

**Function:**

Central receptor component of the translocase of the outer membrane of mitochondria (TOM complex) responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with the peripheral receptor TOM20 functions as the transit peptide receptor and facilitates the movement of preproteins into the translocation pore.

**Subunit:**

Forms part of the preprotein translocase complex of the outer mitochondrial membrane (TOM complex) which consists of at least 7 different proteins (TOMM5, TOMM6, TOMM7, TOMM20, TOMM22, TOMM40 and TOMM70). Interacts with TOMM40. Interacts with PPP2R2B (By similarity).

**Subcellular Location:**

Mitochondrion outer membrane; Single-pass membrane protein

**Tissue Specificity:**

Ubiquitous.

**Similarity:**

Belongs to the Tom22 family.

**Database links:**

[Entrez Gene: 56993](#) Human

[Entrez Gene: 223696](#) Mouse

[Entrez Gene: 300075](#) Rat

[Omim: 607046](#) Human

[SwissProt: Q9CPQ3](#) Mouse

[SwissProt: Q75Q41](#) Rat

[Unigene: 285005](#) Human

[Unigene: 246435](#) Mouse



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**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.