

Rabbit Anti-TOMM40/AF350 Conjugated antibody

SL17227R-AF350

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| Product Name | Anti-TOMM40/AF350 |
| Chinese Name | AF350 标记的 TOMM40 蛋白抗体 |
| Alias | C19orf1; D19S1177E; Haymaker protein; Mitochondrial import receptor subunit TOM40 homolog; Mitochondrial outer membrane protein; Mitochondrial outer membrane protein TOM40; p38.5; PER EC1; PEREC1; Probable mitochondrial import receptor subunit TOM40 homolog; Protein Haymaker; TOM40; TOM40_HUMAN; TOMM40; Translocase of outer membrane 40 kDa subunit homolog; Translocase of outer mitochondrial membrane 40; Translocase of outer mitochondrial membrane 40 homolog (yeast); Translocase of outer mitochondrial membrane 40 homolog. |
| Research Area | Cell biology Signal transduction Transporter The new supersedes the old |
| Immunogen Species | Rabbit |
| Clonality | Polyclonal |
| React Species | Rat(predicted:Human,Mouse,Dog,Pig,Cow,Horse,Sheep,Xenopus laevis) IF=1:100-500 |
| Applications | not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight | 37kDa |
| Form | Lyophilized or Liquid |
| Concentration | 1mg/ml |
| immunogen | KLH conjugated synthetic peptide derived from human TOMM40 |
| Lsotype | IgG |
| Purification | affinity purified by Protein A |
| Storage Buffer | 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. |
| Storage | |

background:

TOMM40 is the channel-forming subunit of the translocase of the mitochondrial outer membrane (TOM) complex that is essential for protein import into mitochondria (Humphries et al., 2005 [PubMed 15644312]).[supplied by OMIM, May 2008]

Function:

Channel-forming protein essential for import of protein precursors into mitochondria.

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 mitochondrial targeting sequences.

Subcellular Location:

Mitochondrion outer membrane.

Similarity:

Belongs to the Tom40 family.

Product Detail

Database links:

[Entrez Gene: 10452](#) Human

[Entrez Gene: 510219](#) Cow

[Entrez Gene: 611055](#) Dog

[Entrez Gene: 53333](#) Mouse

[Entrez Gene: 308416](#) Rat

[Entrez Gene: 380301](#) Xenopus laevis

[Omim: 608061](#) Human

[SwissProt: Q1LZB5](#) Cow

[SwissProt: O96008](#) Human

[SwissProt: Q9QYA2](#) Mouse



[SwissProt: Q75Q40](#) Rat

[SwissProt: Q7ZTM6](#) Xenopus laevis

[Unigene: 655909](#) Human

[Unigene: 416870](#) Mouse

[Unigene: 440173](#) Mouse

[Unigene: 17999](#) Rat

[Unigene: 7913](#) Xenopus laevis

Important Note:

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