

TIMM8B Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13671c**Specification**

TIMM8B Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O9Y5J9](#)**TIMM8B Antibody (Center) Blocking peptide - Additional Information****Gene ID** 26521**Other Names**

Mitochondrial import inner membrane translocase subunit Tim8 B, DDP-like protein, Deafness dystonia protein 2, TIMM8B, DDP2, DDPL, TIM8B

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13671c was selected from the Center region of TIMM8B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TIMM8B Antibody (Center) Blocking peptide - Protein Information**Name** TIMM8B**Synonyms** DDP2, DDPL, TIM8B**Function**

Probable mitochondrial intermembrane chaperone that participates in the import and insertion of some multi-pass transmembrane proteins into the mitochondrial inner membrane. Also required for the transfer of beta-barrel precursors from the TOM complex to the sorting and assembly machinery (SAM complex) of the outer membrane. Acts as a chaperone-like protein that protects the hydrophobic precursors from aggregation and guide them through the mitochondrial intermembrane space (By similarity).

Cellular Location

Mitochondrion inner membrane; Peripheral membrane protein; Intermembrane side

Tissue Location

Ubiquitous, with highest expression in heart, kidney, liver and skeletal muscle.

TIMM8B Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

TIMM8B Antibody (Center) Blocking peptide - Images**TIMM8B Antibody (Center) Blocking peptide - Background**

This gene encodes a member of a well-conserved family of proteins with similarity to yeast Tim mitochondrial import proteins. This gene is encoded by a nuclear gene and is transported into the intermembrane space of the mitochondrion. When formed into complexes, these proteins guide membrane-spanning proteins across the mitochondrial intermembrane space before they are added into the mitochondrial inner membrane. This gene is adjacent to succinate dehydrogenase, subunit D (SDHD), in which mutations have been found in affected members of families with hereditary paraganglioma.

TIMM8B Antibody (Center) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Bauer, M.F., et al. FEBS Lett. 464 (1-2), 41-47 (1999) Jin, H., et al. Genomics 61(3):259-267(1999)