

**SAMM50 Antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15535****Specification**

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**SAMM50 Antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">O9Y512</a>
Other Accession	<a href="#">NM_015380</a> , <a href="#">NP_056195</a>
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52kDa KDa

**SAMM50 Antibody - N-terminal region - Additional Information****Gene ID** 25813**Alias Symbol** OMP85, SAM50, TOB55, TRG-3, YNL026W**Other Names**

Sorting and assembly machinery component 50 homolog, Transformation-related gene 3 protein, TRG-3, SAMM50, SAM50

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-SAMM50 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

SAMM50 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**SAMM50 Antibody - N-terminal region - Protein Information****Name** SAMM50**Synonyms** SAM50**Function**

Plays a crucial role in the maintenance of the structure of mitochondrial cristae and the proper assembly of the mitochondrial respiratory chain complexes (PubMed:&lt;a href="http://www.uniprot.org/citations/22252321" target="\_blank"&gt;22252321&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/25781180" target="\_blank"&gt;25781180&lt;/a&gt;). Required for

the assembly of TOMM40 into the TOM complex (PubMed:<a href="http://www.uniprot.org/citations/15644312" target="\_blank">15644312</a>).

#### Cellular Location

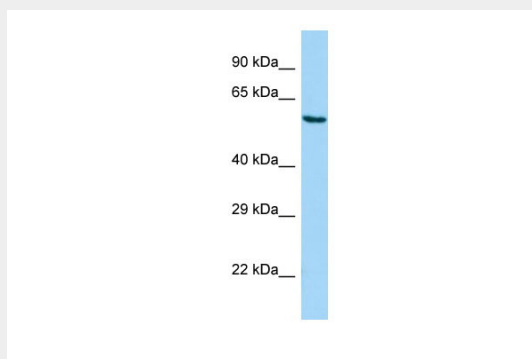
Mitochondrion outer membrane; Multi-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:Q6AXV4}. Mitochondrion

#### SAMM50 Antibody - N-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### SAMM50 Antibody - N-terminal region - Images



Host: Rabbit

Target Name: SAMM50

Sample Tissue: A549 Whole cell lysate

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Antibody Dilution: 1.0µg/ml

#### SAMM50 Antibody - N-terminal region - References

Lai C.-H., et al. *Genome Res.* 10:703-713(2000).

Kim J.W., et al. Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.

Ota T., et al. *Nat. Genet.* 36:40-45(2004).

Collins J.E., et al. *Genome Biol.* 5:R84.1-R84.11(2004).

Suzuki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.