

ANKRD16 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP10551b**Specification**

ANKRD16 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q6P6B7](#)
Other Accession [NP_001009943.1](#), [NP_061919.1](#),
[NP_001009941.1](#)

ANKRD16 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 54522

Other Names

Ankyrin repeat domain-containing protein 16, ANKRD16

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.

ANKRD16 Antibody (C-term) Blocking Peptide - Protein Information

Name ANKRD16 ([HGNC:23471](#))

Function

Required to prevent the misactivation of serine (Ser) with tRNA(Ala) by promoting the hydrolysis of Ser-mischarged tRNA(Ala), thereby playing a role in translational fidelity. Binds directly to the catalytic domain of AARS/AlaRS and captures Ser that is misactivated by AARS/AlaRS, preventing the charging of Ser adenylates to tRNA(Ala) and precluding Ser misincorporation in nascent peptides.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:A2AS55}. Nucleus {ECO:0000250|UniProtKB:A2AS55}

ANKRD16 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ANKRD16 Antibody (C-term) Blocking Peptide - Images

ANKRD16 Antibody (C-term) Blocking Peptide - References

Turnbull, C., et al. Nat. Genet. 42(6):504-507(2010)Lamesch, P., et al. Genomics
89(3):307-315(2007)Deloukas, P., et al. Nature 429(6990):375-381(2004)