

GLD2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP5092a**Specification**

GLD2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q6PIY7](#)**GLD2 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 167153

Other Names

Poly(A) RNA polymerase GLD2, hGLD-2, PAP-associated domain-containing protein 4, Terminal uridylyltransferase 2, TUTase 2, PAPD4, GLD2

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.

GLD2 Antibody (N-term) Blocking Peptide - Protein InformationName TENT2 ([HGNC:26776](#))**Function**

Cytoplasmic poly(A) RNA polymerase that adds successive AMP monomers to the 3'-end of specific RNAs, forming a poly(A) tail (PubMed:15070731, PubMed:31792053). In contrast to the canonical nuclear poly(A) RNA polymerase, it only adds poly(A) to selected cytoplasmic mRNAs (PubMed:15070731). Does not play a role in replication-dependent histone mRNA degradation (PubMed:18172165). Adds a single nucleotide to the 3' end of specific miRNAs, monoadenylation stabilizes and prolongs the activity of some but not all miRNAs (PubMed:23200856, PubMed:31792053).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q91YI6}. Nucleus {ECO:0000250|UniProtKB:Q91YI6}

Tissue Location

Expressed in brain. Within brain, it is expressed in cerebellum, hippocampus and medulla.

GLD2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GLD2 Antibody (N-term) Blocking Peptide - Images

GLD2 Antibody (N-term) Blocking Peptide - Background

GLD2 is cytoplasmic poly(A) RNA polymerase that adds successive AMP monomers to the 3'-end of specific RNAs, forming a poly(A) tail. In contrast to the canonical nuclear poly(A) RNA polymerase, it only adds poly(A) to selected cytoplasmic mRNAs. GLD2 does not play a role in replication-dependent histone mRNA degradation.

GLD2 Antibody (N-term) Blocking Peptide - References

Mullen, T.E., et al. Genes Dev. 22(1):50-65(2008) Kwak, J.E., et al. Proc. Natl. Acad. Sci. U.S.A. 101(13):4407-4412(2004)