

CCDC139 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58594**Specification**

CCDC139 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q3MIT2
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60244

CCDC139 Polyclonal Antibody - Additional Information**Gene ID** 150962**Other Names**

tRNA pseudouridine synthase Pus10, Hup10, 5.4.99.25, Coiled-coil domain-containing protein 139 {ECO:0000312|HGNC:HGNC:26505}, tRNA pseudouridine 55 synthase, Psi55 synthase, tRNA pseudouridylylate synthase, tRNA-uridine isomerase, PUS10 ([HGNC:26505](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=26505))

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

CCDC139 Polyclonal Antibody - Protein Information**Name** PUS10 ([HGNC:26505](#))**Function**

Protein with different functions depending on its subcellular location: involved in miRNA processing in the nucleus and acts as a tRNA pseudouridylylate synthase in the cytoplasm (PubMed:[31819270](http://www.uniprot.org/citations/31819270), PubMed:[33023933](http://www.uniprot.org/citations/33023933)). In the cytoplasm, acts as a pseudouridylylate synthase by catalyzing synthesis of pseudouridine(54) and pseudouridine(55) from uracil-54 and uracil-55, respectively, in the psi GC loop of a subset of tRNAs (PubMed:[30530625](http://www.uniprot.org/citations/30530625), PubMed:[31819270](http://www.uniprot.org/citations/31819270), PubMed:[33023933](http://www.uniprot.org/citations/33023933)). tRNA pseudouridylylate synthase activity is enhanced by the presence of 1- methyladenosine at position 53-61 of tRNAs (PubMed:[30530625](http://www.uniprot.org/citations/30530625)). Does not

show tRNA pseudouridylate synthase activity in the nucleus (PubMed:33023933). In the nucleus, promotes primary microRNAs (pri- miRNAs) processing independently of its RNA pseudouridylate synthase activity (PubMed:31819270). Binds pri-miRNAs (PubMed:31819270). Modulator of TRAIL/TNFSF10-induced cell death via activation of procaspase-8 and BID cleavage (PubMed:14527409, PubMed:19712588). Required for the progression of the apoptotic signal through intrinsic mitochondrial cell death (PubMed:19712588).

Cellular Location

Nucleus. Cytoplasm Mitochondrion. Note=Localizes mainly in the nucleus (Probable) (PubMed:31819270). tRNA pseudouridylate synthase activity is restricted to the cytoplasm (PubMed:31819270). Translocates from nucleus to mitochondria during TRAIL-induced apoptosis (PubMed:28981101).

CCDC139 Polyclonal Antibody - 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](#)

CCDC139 Polyclonal Antibody - Images