

ANKRD16 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15641

Product Information

Application	WB
Primary Accession	Q6P6B7
Other Accession	NM_019046 , NP_061919
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39284

Additional Information

Gene ID	54522
Other Names	Ankyrin repeat domain-containing protein 16, ANKRD16
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-ANKRD16 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	ANKRD16 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

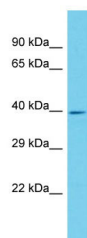
Protein Information

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}

References

Deloukas P.,et al.Nature 429:375-381(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).

Images



Host: Rabbit
Target Name: ANKRD16
Sample Tissue: Hela Whole cell lysate
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Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.