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C9orf41 Antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI15732

Product Information

Application	WB
Primary Accession	Q8N4J0
Other Accession	NM_152420, NP_689633
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47186

Additional Information

Gene ID	138199
Other Names	UPF0586 protein C9orf41, C9orf41
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-C9orf41 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	C9orf41 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

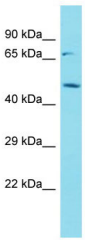
Name	CARNMT1 (HGNC:23435)
Function	Protein-histidine N-methyltransferase that specifically catalyzes the N1-methylation (pros-methylation) of histidine residues in a wide range of proteins. It primarily monomethylates proteins containing RNA-binding C3H1 zinc finger motifs, such as U2AF1, ZC3H15, ZC3H18, PPP1R10, PRR3 and RNF113A, thereby modulating mRNA splicing and turnover (PubMed:37612136, PubMed:39198440, PubMed:40473212). Additionally, methylates the dipeptide carnosine (beta-alanyl-L- histidine) at the N1 position to generate anserine, an abundant component of vertebrate skeletal muscle. Acts also on other L- histidine-containing di- and tripeptides, such as Gly-Gly-His, Gly-His, and homocarnosine (GABA-His) (PubMed:26001783).

Cellular Location	Cytoplasm, cytosol. Nucleus
Tissue Location	Expressed at higher level in kidney. Expressed at lower level in brain and skeletal muscle

References

Humphray S.J.,et al.Nature 429:369-374(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

Images



Host: Rabbit
Target Name: C9orf41
Sample Tissue: U937 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'.