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C4orf20 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI14078

Product Information

Application	WB
Primary Accession	Q9NUQ7
Other Accession	NM_018359, NP_060829
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53261

Additional Information

Gene ID	55325
Alias Symbol	FLJ11200, UFSP2, C4orf20
Other Names	Ufm1-specific protease 2, UfSP2, 3.4.22.-, UFSP2, C4orf20
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-C4orf20 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	C4orf20 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

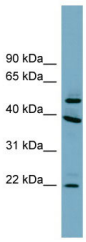
Name	UFSP2 {ECO:0000303|PubMed:26428751, ECO:0000312|HGNC:HGNC:25640}
Function	Thiol-dependent isopeptidase that specifically cleaves UFM1, a ubiquitin-like modifier protein, from conjugated proteins, such as CD274/PD-L1, CYB5R3, DDRGK1, MRE11, RPL26/uL24, TRIP4 and RPL26/uL24 (PubMed:25219498, PubMed:27351204, PubMed:27926783, PubMed:30783677, PubMed:31595041, PubMed:32160526, PubMed:33473208, PubMed:35394863, PubMed:35926457, PubMed:36543799, PubMed:36893266, PubMed:37795761, PubMed:38383785). While it is also able to mediate the processing of UFM1 precursors, a prerequisite for conjugation reactions, UFSP2 mainly acts as a protein deUFMylase that mediates deconjugation of UFM1 from target proteins (PubMed:27926783).

	Mediates deUFMylation of RPL26/uL24, a critical step to release the UFM1 ribosome E3 ligase (UREL) complex during the recycling of 60S ribosome subunits from the endoplasmic reticulum (PubMed:38383785). Catalyzes deUFMylation of TRIP4, regulating intracellular nuclear receptors transactivation and thereby regulate cell proliferation and differentiation (PubMed:25219498).
Cellular Location	Endoplasmic reticulum. Cytoplasm {ECO:0000250|UniProtKB:Q99K23}. Nucleus {ECO:0000250|UniProtKB:Q99K23}
Tissue Location	Expressed in brain..

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 434:724-731(2005).
Van Damme P.,et al.Proc. Natl. Acad. Sci. U.S.A. 109:12449-12454(2012).
Yoo H.M.,et al.Mol. Cell 56:261-274(2014).

Images



WB Suggested Anti-C4orf20 Antibody Titration: 0.2-1 µg/ml
Positive Control: Human brain

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