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UBL5 Antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AM2024b

Product Information

Application	WB, E
Primary Accession	Q9BZL1
Other Accession	Q9EPV8, Q3T0Z3, NP_001041706.1, NP_077268.1
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit, Chicken
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	429CT16.3.1
Calculated MW	8547

Additional Information

Gene ID	59286
Other Names	Ubiquitin-like protein 5, UBL5
Target/Specificity	Purified His-tagged UBL5 protein(Fragment) was used to produced this monoclonal antibody.
Dilution	WB~~1:500~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	UBL5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UBL5
Function	Ubiquitin-like protein that plays a role in cell proliferation and sister chromatid cohesion by associating with spliceosomal proteins (PubMed:25092792). Participates thereby in pre- mRNA splicing by maintaining spliceosome integrity. Promotes the functional integrity of the Fanconi anemia DNA repair pathway by interacting with FANCI component

	and subsequently mediating the formation of FANCI homodimers (PubMed:25862789). Also plays a protective role against ER stress-induced apoptosis (PubMed:37315790).
Cellular Location	Cytoplasm. Nucleus. Nucleus, Cajal body
Tissue Location	Ubiquitous. Highest level of expression in heart, skeletal muscle, kidney, liver, iris and lymphoblasts

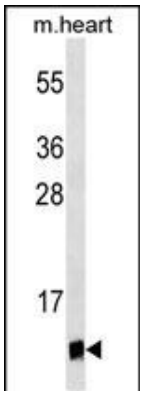
Background

Ubiquitin-like proteins (UBLs) are thought to be reversible modulators of protein function rather than protein degraders like ubiquitin (MIM 191339).

References

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Sentinelli, F., et al. J. Pediatr. Endocrinol. Metab. 21(12):1139-1145(2008)
Bozaoglu, K., et al. Hum. Biol. 78(2):147-159(2006)
Wilkinson, C.R., et al. Curr. Biol. 14(24):2283-2288(2004)
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Images



UBL5 Antibody (Cat. #AM2024b) western blot analysis in mouse heart tissue lysates (35µg/lane).This demonstrates the UBL5 antibody detected the UBL5 protein (arrow).

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