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Uap1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12998

Product Information

Application	WB
Primary Accession	Q91YN5
Other Accession	NM_133806, NP_598567
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58609

Additional Information

Gene ID	107652
Alias Symbol	AA420407, AA437972, AGX-1, AGX-2, AGX1, AgX, ESTM38, SPAG2
Other Names	UDP-N-acetylhexosamine pyrophosphorylase, UDP-N-acetylgalactosamine pyrophosphorylase, 2.7.7.83, UDP-N-acetylglucosamine pyrophosphorylase, 2.7.7.23, Uap1
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-Uap1 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	Uap1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

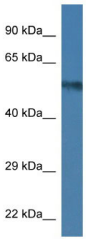
Name	Uap1 {ECO:0000312|MGI:MGI:1334459}
Function	Catalyzes the last step in biosynthesis of uridine diphosphate-N-acetylglucosamine (UDP-GlcNAc) by converting UTP and glucosamine 1-phosphate (GlcNAc-1-P) to the sugar nucleotide (By similarity). Also converts UTP and galactosamine 1-phosphate (GalNAc-1- P) into uridine diphosphate-N-acetylgalactosamine (UDP-GalNAc) (By similarity). In addition to its role in metabolism, acts as a regulator of innate immunity in response to virus infection (PubMed:36603579). Regulates innate immunity by catalyzing pyrophosphorylation of IRF3 phosphorylated at 'Ser-386' by TBK1,

	promoting IRF3 dimerization and activation, leading to type I interferon responses (By similarity).
Cellular Location	Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q16222}

References

Carninci P.,et al.Science 309:1559-1563(2005).

Images



WB Suggested Anti-Uap1 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Brain

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