10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LOC640502 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12920

Product Information

Application	WB
Primary Accession	Q91YN5
Other Accession	http://www.ncbi.nlm.nih.gov/nuccore/XM_917484, http://www.ncbi.nlm.nih.gov/protein/68566143?report=genbank&log$=protalign&blast_rank=15&RID=C8TKD8AJ016
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	58609

Additional Information

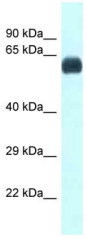
Gene ID	107652
Alias Symbol	AgX, AGX1, AGX-1, AGX-2, SPAG2, ESTM38, AA420407, AA437972
Other Names	UDP-N-acetylhexosamine pyrophosphorylase, UDP-N-acetylgalactosamine pyrophosphorylase, 2.7.7.83, UDP-N-acetylglucosamine pyrophosphorylase, 2.7.7.23, Uap1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-LOC640502 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	LOC640502 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}

Images



WB Suggested Anti-LOC640502 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Small intestine

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