

LOC640502 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12920**Specification**

LOC640502 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O91YN5
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, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58kDa KDa

LOC640502 antibody - C-terminal region - 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.

LOC640502 antibody - C-terminal region - 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).

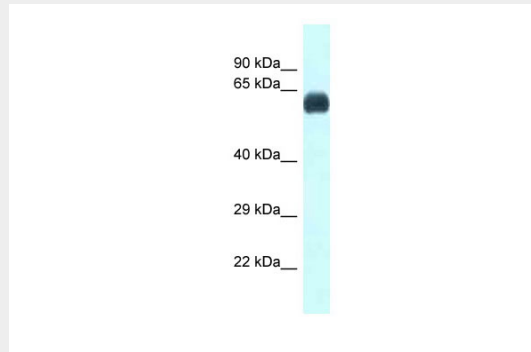
Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q16222}

LOC640502 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LOC640502 antibody - C-terminal region - Images

WB Suggested Anti-LOC640502 Antibody Titration: 1.0 µg/ml

Positive Control: Mouse Small intestine