

# UMPS Polyclonal Antibody

Catalog No: tcba9414



## Available Sizes

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**Size:** 50ul

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**Size:** 100ul

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**Size:** 200ul

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## Specifications

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**Application:**

WB,IHC,IF

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**Research Area:**

Metabolism,

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**Species Reactivity:**

Human,Mouse,Rat

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**Host Species:**

Rabbit

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**Isotype:**

IgG

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**Form:**

Liquid

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**Storage Buffer:**

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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**Recommended Dilution:**

WB 1:500 - 1:2000

IHC 1:50 - 1:200

IF 1:50 - 1:100

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**Storage Instruction:**

Store at -20°C. Avoid freeze / thaw cycles.

**Alternative Names:**

OPRT

**SwissProt:**

P11172

**Gene ID:**

7372 (human);

**Calculated Molecular Weight:**

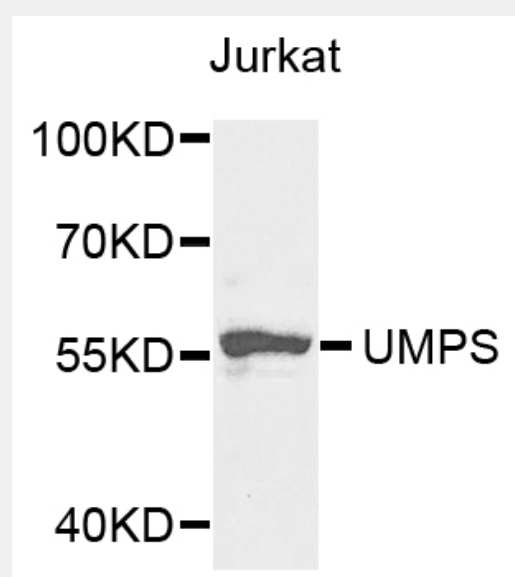
22kDa/33kDa/42kDa/52kDa

**Purification:**

Affinity purification

**Product Description**

This gene encodes a uridine 5'-monophosphate synthase. The encoded protein is a bifunctional enzyme that catalyzes the final two steps of the de novo pyrimidine biosynthetic pathway. The first reaction is carried out by the N-terminal enzyme orotate phosphoribosyltransferase which converts orotic acid to orotidine-5'-monophosphate. The terminal reaction is carried out by the C-terminal enzyme OMP decarboxylase which converts orotidine-5'-monophosphate to uridine monophosphate. Defects in this gene are the cause of hereditary orotic aciduria. Alternate splicing results in multiple transcript variants.



Western blot analysis of extracts of Jurkat cells, using UMPS antibody at 1:1000 dilution.

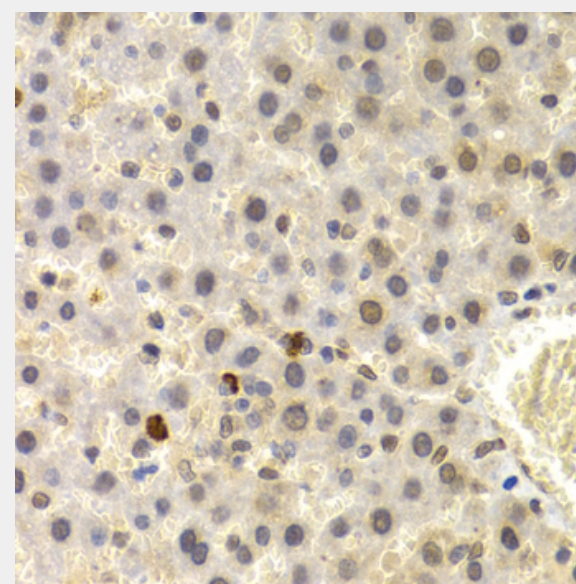
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

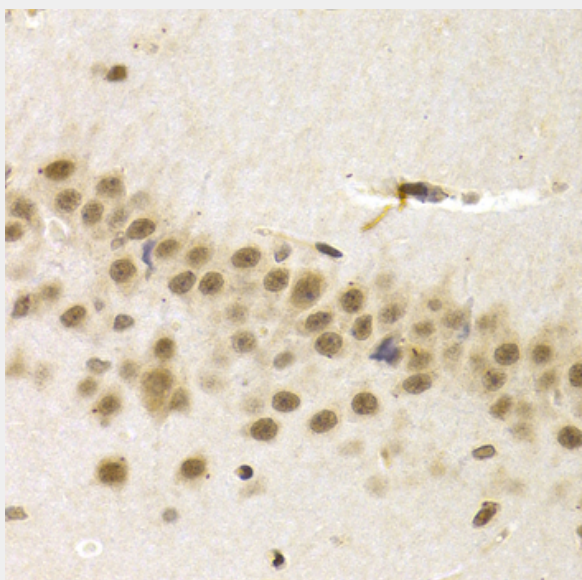
Detection: ECL Basic Kit.

Exposure time: 90s.

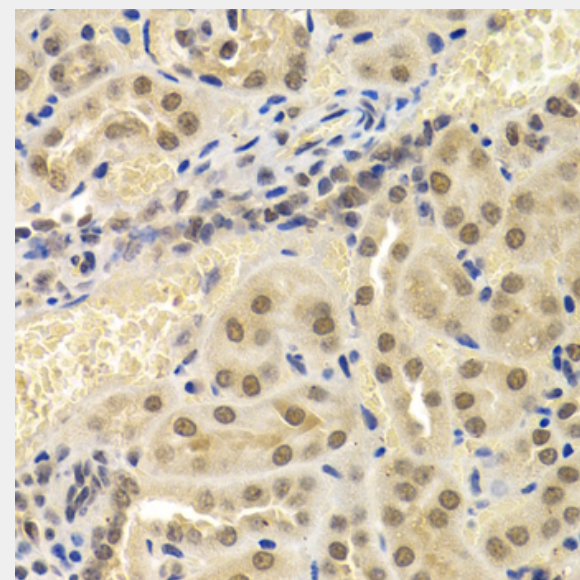


Immunohistochemistry of paraffin-embedded rat liver using UMPS antibody at dilution of 1:200 (40x lens).

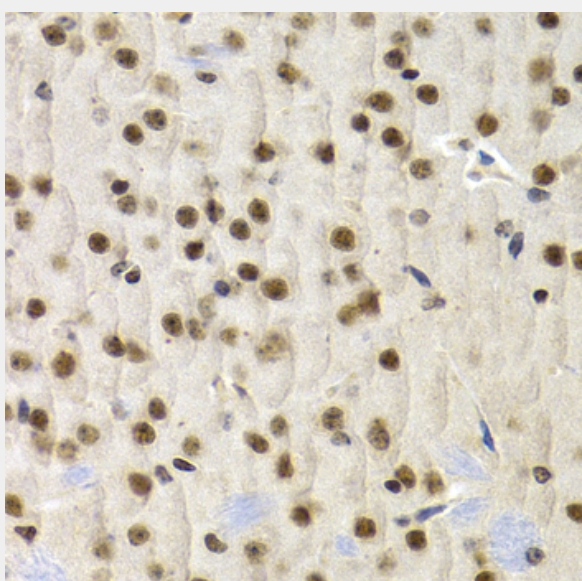




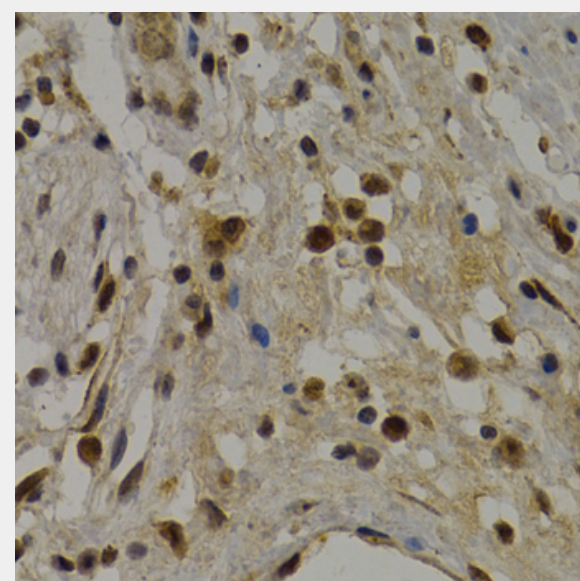
Immunohistochemistry of paraffin-embedded rat brain using UMPS antibody at dilution of 1:200 (40x lens).



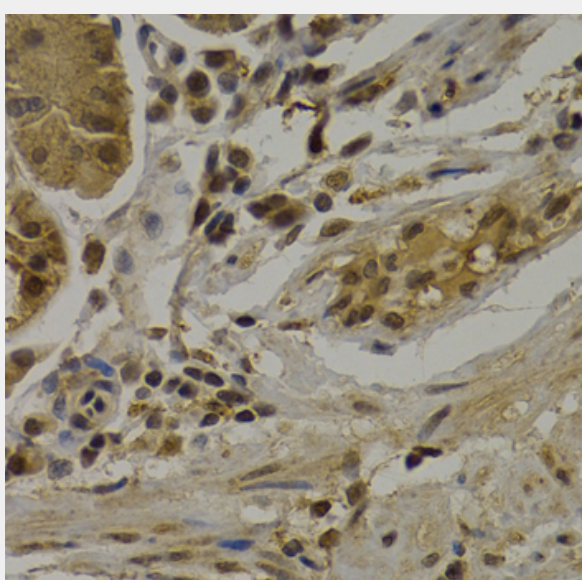
Immunohistochemistry of paraffin-embedded mouse kidney using UMPS antibody at dilution of 1:200 (40x lens).



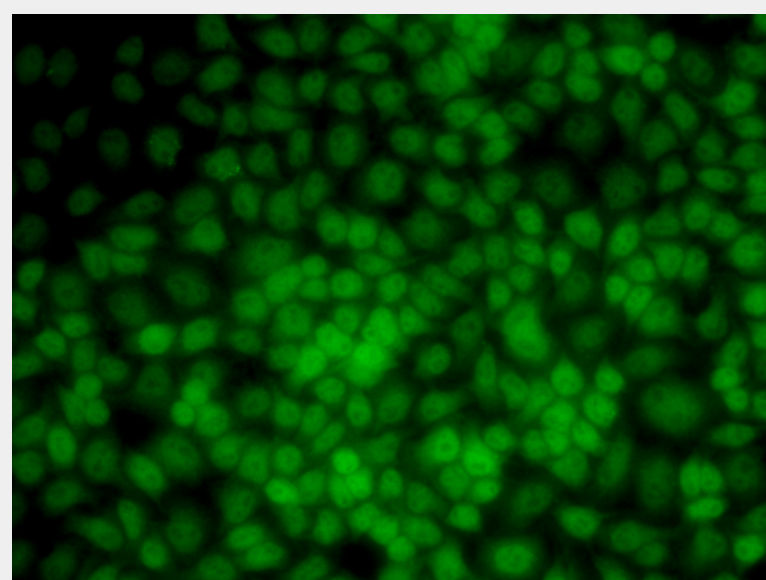
Immunohistochemistry of paraffin-embedded mouse brain using UMPS antibody at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human colon damage using UMPS antibody at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human normal stomach using UMPS antibody at dilution of 1:200 (40x lens).



Immunofluorescence analysis of HeLa cells using UMPS antibody.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!