

UMPS Rabbit Polyclonal Antibody



CAB13251

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

57kDa

Calculated MW:

22kDa/33kDa/42kDa/52kDa

Applications:

WB IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

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.

Immunogen information

Gene ID:

7372

Uniprot

P11172

Synonyms:

UMPS; OPRT

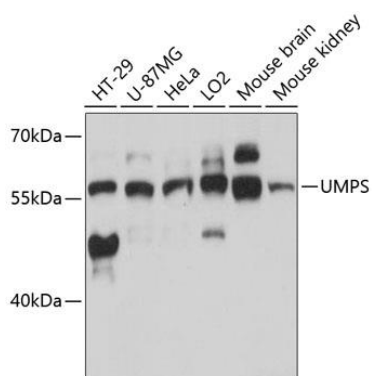
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 100-260 of human UMPS (NP_000364.1).

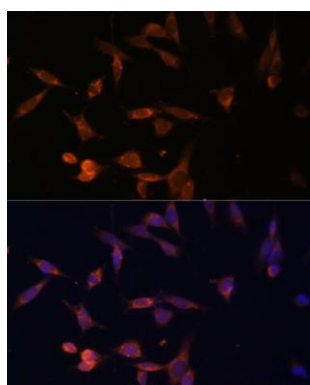
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of various cell lines, using UMPS antibody (CAB13251) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.



Immunofluorescence analysis of NIH-3T3 cells using UMPS Polyclonal Antibody (CAB13251) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.