

For Research Use Only

UPP2 Polyclonal antibody, PBS Only

Catalog Number:12964-1-PBS



Basic Information

Catalog Number:

12964-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3619

GenBank Accession Number:

BC033529

GeneID (NCBI):

151531

UNIPROT ID:

O95045

Full Name:

uridine phosphorylase 2

Calculated MW:

317 aa, 36 kDa

Observed MW:

36 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

IP, Indirect ELISA

Species Specificity:

human, mouse

Background Information

Uridine phosphorylase (UPP) catalyzes the reversible phosphorolysis of uridine and chemically-related compounds to uracil and ribose-1-phosphate, implicating it in both pyrimidine salvage and regulation of uridine homeostasis. The enzyme is ubiquitously distributed amongst animals and bacteria, with most vertebrates possessing two versions of the phosphorylase, UPP1 and UPP2. While the two human homologues retain ~62% sequence identity, human UPP1 (hUPP1) was the first identified, cloned, and characterized, and consequently has been the focus of the majority of research. Not as much is known about the specific role of human UPP2 (hUPP2). Early studies showed that its tissue distribution was more limited than that of hUPP1, restricted predominantly to the kidneys, with some expression in the liver and spleen. (PMID: 21855639, PMID: 37473754)

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

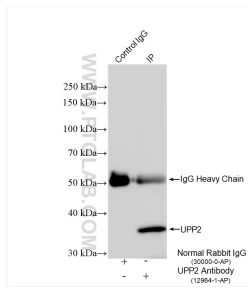
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



IP result of anti-UPP2 (IP:12964-1-AP, 4ug; Detection:12964-1-AP 1:500) with mouse kidney tissue lysate 3400 ug. This data was developed using the same antibody clone with 12964-1-PBS in a different storage buffer formulation.