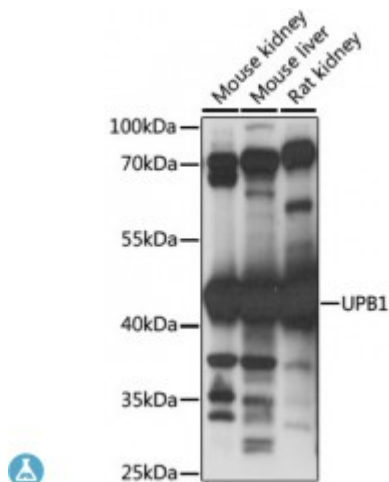


Anti-UPB1 Antibody



Description

This gene encodes a protein that belongs to the CN hydrolase family. Beta-ureidopropionase catalyzes the last step in the pyrimidine degradation pathway. The pyrimidine bases uracil and thymine are degraded via the consecutive action of dihydropyrimidine dehydrogenase (DHPDH), dihydropyrimidinase (DHP) and beta-ureidopropionase (UP) to beta-alanine and beta-aminoisobutyric acid, respectively. UP deficiencies are associated with N-carbamyl-beta-amino aciduria and may lead to abnormalities in neurological activity.

Model	STJ117647
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-240 of human UPB1 (NP_057411.1).
Gene ID	51733
Gene Symbol	UPB1
Dilution range	WB 1:200 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Beta-ureidopropionase
Molecular Weight	43.166 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:16297OMIM:606673Reactome:R-HSA-73621
Alternative Names	Beta-ureidopropionase
Function	Converts N-carbamoyl-beta-aminoisobutyrate and N-carbamoyl-beta-alanine (3-ureidopropanoate) to, respectively, beta-aminoisobutyrate and beta-alanine, ammonia and carbon dioxide
Cellular Localization	Cytoplasm

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