

DNAxPAb

Hard-to-Find
Antibody

UPB1 DNAxPab

Catalog # H00051733-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human UPB1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAGAEWKSLEECLEKHLPLPDLQEVKRVLYGKELRKLDLPREAFEAAASREDFELQGYAFEAAEE QLRRPRIVHVGLVQNRIPANAPVAEQVSALHRRIKAMEVAAMCGVNIICFQEAWTMPFAFCTRE KLPWTEFAESAEDGPTTRFCQKLAKNHDMVVVSPILERDSEHGDVLWNTAVVISNSGAVLGKTR KNHIPRVGDFNESTYYMEGNLGHVPVFTQFGRIAVNICYGRHHPLNWL MYSINGAEIIFNPSATIGAL SESLWPIEARNAAIANHCFTCAINRVGTEHFPNEFTSGDGKKAHQDFGYFYGSSYVAAPDSSRTP GLSRSRDGLLVAKLDLNLCCQQVNDVWNFKMTGRYEMYARELAEAVKSNYSPTIVKE
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — UPB1

Entrez GeneID [51733](#)

GeneBank Accession# [BC139840](#)

Protein Accession# [AAI39841.1](#)

Gene Name UPB1

Gene Alias BUP1

Gene Description ureidopropionase, beta

Omim ID [606673](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations beta-alanine synthase|beta-ureidopropionase|n-carbamoyl-beta-alanine amidohydrolase

Pathway

- [beta-Alanine metabolism](#)
- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)
- [Pantothenate and CoA biosynthesis](#)
- [Pyrimidine metabolism](#)

Disease

- [Cardiovascular Diseases](#)

- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)