10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

UPB1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12023

Product Information

Application	WB
Primary Accession	Q9UBR1
Other Accession	NM_016327, NP_057411
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Horse, Bovine
Predicted	Human, Mouse, Rabbit, Zebrafish, Pig, Chicken, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43166

Additional Information

Gene ID	51733
Alias Symbol	BUP1
Other Names	Beta-ureidopropionase, 3.5.1.6, BUP-1, Beta-alanine synthase, N-carbamoyl-beta-alanine amidohydrolase, UPB1, BUP1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-UPB1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	UPB1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

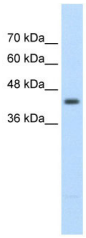
Name	UPB1
Synonyms	BUP1
Function	Catalyzes a late step in pyrimidine degradation (PubMed: 22525402, PubMed:24526388). Converts N-carbamoyl-beta-alanine (3-ureidopropanoate) into beta-alanine, ammonia and carbon dioxide (PubMed:10415095, PubMed:10542323, PubMed:11508704, PubMed:22525402, PubMed:24526388, PubMed:29976570). Likewise, converts N-carbamoyl-beta-aminoisobutyrate (3-ureidoisobutyrate) into beta-aminoisobutyrate, ammonia and carbon dioxide (Probable).

Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:Q8H183}.
Tissue Location	Detected in liver (at protein level).

References

van (2004) Hum. Mol. Genet. 13 (22), 2793-2801 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.Publications:Hu, Z. et al. Quantitative liver-specific protein fingerprint in blood: a signature for hepatotoxicity. Theranostics 4, 215-28 (2014). WB, Human, Bovine, Zebrafish, Rat, Dog, Pig, H, Rabbit, Guinea pig, Goat, Mouse24465277

Images



WB Suggested Anti-UPB1 Antibody Titration: 2.5µg/ml
Positive Control: Jurkat cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.