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Product datasheet for AP50310PU-N

CARNS1 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**Western blotting:** 1/1,000 **Immunohistochemistry on paraffin sections:** 1/50 - 1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 239-268 amino acids from the N-terminal region of human ATPGD1
Specificity:	This antibody reacts to CARNS1.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	carnosine synthase 1
Database Link:	Entrez Gene 57571 Human A5YM72
Background:	CARNS1 (EC 6.3.2.11), a member of the ATP-grasp family of ATPases, catalyzes the formation of carnosine (beta-alanyl-L-histidine) and homocarnosine (gamma-aminobutyryl-L-histidine), which are found mainly in skeletal muscle and the central nervous system, respectively (Drozak et al., 2010 [PubMed 20097752]).
Synonyms:	Carnosine synthase 1, KIAA1394

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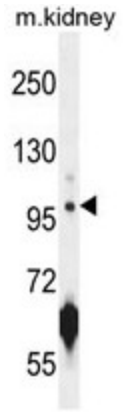
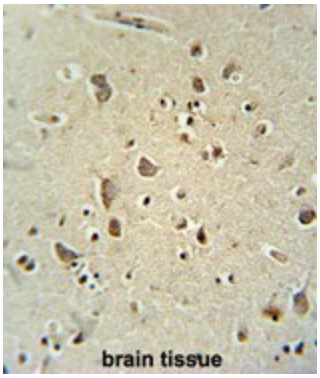
Note:

Molecular Weight: 88484 Da

Product images:



ATPGD1 Antibody (N-term) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the ATPGD1 antibody detected the ATPGD1 protein (arrow).



ATPGD1 antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ATPGD1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.