

Rabbit UCK Polyclonal Antibody | anti-CMPK1 antibody

UCK Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283903	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Pig)	Western Blot, Immunohistochemistry, ELISA

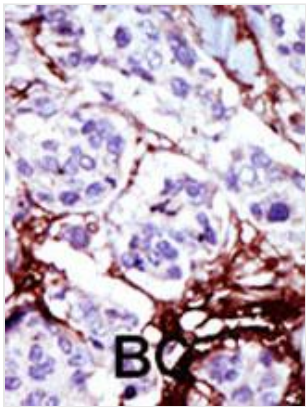
PRODUCT SYNONYMS

UCK; Polyclonal Antibody; UCK Antibody (C-term); UMP-CMP kinase {ECO:0000255|HAMAP-Rule:MF_03172}; 27414 {ECO:0000255|HAMAP-Rule:MF_03172}; Deoxycytidylate kinase {ECO:0000255|HAMAP-Rule:MF_03172}; CK {ECO:0000255|HAMAP-Rule:MF_03172}; dCMP kinase {ECO:0000255|HAMAP-Rule:MF_03172}; Nucleoside-diphosphate kinase {ECO:0000255|HAMAP-Rule:MF_03172}; 2746 {ECO:0000255|HAMAP-Rule:MF_03172}; Uridine monophosphate/cytidine monophosphate kinase {ECO:0000255|HAMAP-Rule:MF_03172}; UMP/CMP kinase {ECO:0000255|HAMAP-Rule:MF_03172}; UMP/CMPK {ECO:0000255|HAMAP-Rule:MF_03172}; CMPK1 {ECO:0000255|HAMAP-Rule:MF_03172}; anti-CMPK1 antibody

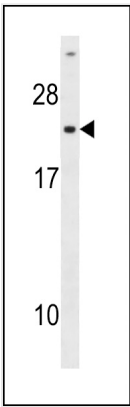
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This UCK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 132-162 amino acids from the C-terminal region of human UCK.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.41 (varies by lot)
Sequence Positions	132-162
Sequence Length	147
Applicable Applications for anti-CMPK1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
The anti-UCK Pab is used in Western blot to detect UCK in HepG2 cell lysate (Lane 1) and mouse cerebellum tissue lysate (Lane 2).

ADDITIONAL INFORMATION

Related Product Information for anti-CMPK1 antibody	UCK1 (Uridine-cytidine kinase 1) phosphorylates uridine and cytidine to uridine monophosphate and cytidine monophosphate. This enzyme does not phosphorylate deoxyribonucleosides or purine ribonucleosides. Of note, UCK1 is able to use either ATP or GTP as a phosphate donor. UCK1 also possesses the ability to phosphorylate a number of cytidine and uridine nucleoside analogs such as 6-azauridine, 5-fluorouridine, 4-thiouridine, 5-bromouridine, N(4)-acetylcytidine, N(4)-benzoylcytidine, 5-fluorocytidine, 2-thiocytidine, 5-methylcytidine, and N(4)-anisoylcytidine.
Product Categories/Family for anti-CMPK1 antibody	Metabolism
References	Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Hu, R.M., et al., Proc. Natl. Acad. Sci. U.S.A. 97(17):9543-9548 (2000). Hughes, G.J., et al., Electrophoresis 14(11):1216-1222 (1993). Hochstrasser, D.F., et al., Electrophoresis 13(12):992-1001 (1992).

NCBI AND UNIPROT INFORMATION

NCBI GI #	209915597
NCBI GeneID	51727
NCBI Accession #	NP_001129612.1; NP_057392.1
NCBI GenBank Nucleotide #	NM_001136140.1
UniProt Accession #	P30085; Q53GB7; Q5SVZ0; Q96C07; Q9UBQ8; Q9UIA2; B4DPU7; E9PGI8
Molecular Weight	22222
NCBI Official Full Name	UMP-CMP kinase isoform b
NCBI Official Synonym Full Names	cytidine monophosphate (UMP-CMP) kinase 1, cytosolic
NCBI Official Symbol	CMPK1
NCBI Official Synonym Symbols	CK; CMK; UMK; CMPK; UMPK; UMP-CMPK
NCBI Protein Information	UMP-CMP kinase
UniProt Protein Name	UMP-CMP kinase
UniProt Gene Name	CMPK1

UniProt Synonym Gene Names	CK; dCMP kinase; UMP/CMP kinase; UMP/CMPK
UniProt Entry Name	KCY_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/uck-antibody-western-blot-immunohistochemistry-elisa/283903>