

DATASHEET

UCP5 Rabbit Polyclonal Antibody

CAT. NO. APA16879

KEY FEATURES

Target	UCP5	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Transports inorganic anions (sulfate, sulfite, thiosulfate and phosphate) and, to a lesser extent, a variety of dicarboxylates (e.g. malonate, malate and citramalate) and, even more so, aspartate and glutamate and tricarboxylates and, to a lesser extent, a variety of dicarboxylates (e.g. malonate, malate and citramalate) and, even more so, aspartate and glutamate and tricarboxylates . May catalyze the export of sulfite and thiosulfate (the hydrogen sulfide degradation products) from the mitochondria, thereby modulating the level of the hydrogen sulfide (Probable). Also can mediate a very low unidirectional transport of anions including sulfate, phosphate, (S)-malate, citrate, L-aspartate and L-glutamate .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

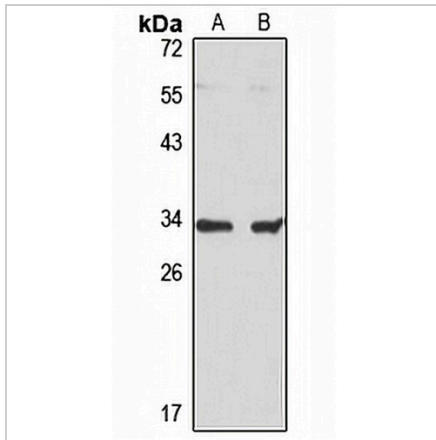
Description	Rabbit polyclonal antibody to UCP5
Specificity	Recognizes endogenous levels of UCP5 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human UCP5. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 35; Observed: 36 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	BMCP1; UCP5; Brain mitochondrial carrier protein 1; BMCP-1; Mitochondrial uncoupling protein 5; UCP 5; Solute carrier family 25 member 14
Gene Symbol	SLC25A14
Entrez Gene	9016(Human); 20523(Mouse)
SwissProt	O95258(Human); Q9Z2B2(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of UCP5 expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 35; 36; 39 kD; Observed band size: 36 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.