

Datasheet: 0100-0335

Description:	RABBIT ANTI HUMAN UNCOUPLING PROTEIN 4
Specificity:	UNCOUPLING PROTEIN 4
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.abdserotec.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	■			
Western Blotting	■			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 5.0 mg/ml
Immunogen	Synthetic peptide corresponding to the amino acids 271 - 283 of the native molecule conjugated to Keyhole Limpet Haemocyanin.
External Database Links	<p>UniProt: Q95847 UCP4_HUMAN Related reagents</p> <p>Entrez Gene: 9481 SLC25A27 Related reagents</p>
Synonyms	UCP4
Specificity	<p>0100-0335 recognises Uncoupling Protein 4.</p> <p>UCP4 facilitates the dissipation of heat across the inner mitochondrial membrane, by leaking protons across the membrane and uncoupling oxidative phosphorylation from ATP synthesis. UCP4 is understood to be involved in thermoregulatory heat production and metabolism in brain.</p>
Peptide Sequence	KSSTDCLIQAVQG

Western Blotting	In reduced blots on bovine brown adipose tissue homogenates, this antibody recognises specific bands at 34 & 44kD and other bands at 50 & 60 kD that can be blocked with KLH.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet Documentation #10040 available at: http://www.abdserotec.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR36...)	DyLight@800
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Sheep Anti Rabbit IgG (STAR54...)	HRP
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR34...)	FITC

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