

UCP4 Rabbit pAb

CatalogNo: YN0866

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 35kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 110-190

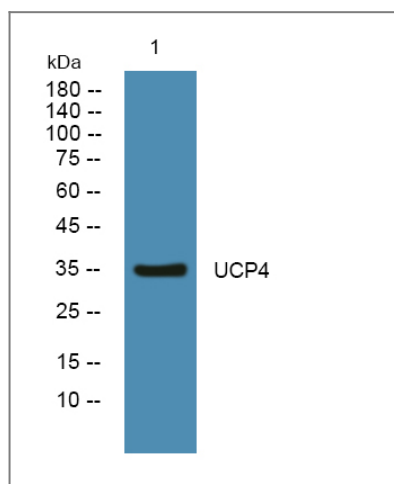
Specificity UCP4 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name SLC25A27 UCP4 UNQ772/PRO1566

Protein Name	Mitochondrial uncoupling protein 4 (UCP 4) (Solute carrier family 25 member 27)		
	Organism	Gene ID	UniProt ID
	Human	9481;	O95847;
Cellular Localization	Mitochondrion inner membrane; Multi-pass membrane protein.		
Tissue specificity	Found in adult and fetal brain. Present in most of the brain tissues, with low levels in spinal chord, corpus callosum and substantia nigra.		
Function	Function:UCP are mitochondrial transporter proteins that create proton leaks across the inner mitochondrial membrane, thus uncoupling oxidative phosphorylation from ATP synthesis. As a result, energy is dissipated in the form of heat. May play a role in thermoregulatory heat production and metabolism in brain.,similarity:Belongs to the mitochondrial carrier family.,similarity:Contains 3 Solcar repeats.,tissue specificity:Found in adult and fetal brain. Present in most of the brain tissues, with low levels in spinal chord, corpus callosum and substantia nigra.,		

Validation Data



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4° over night

Contact information

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