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# anti-UCP1 antibody (AA 179-296)





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Quantity:	100 μL
Target:	UCP1
Binding Specificity:	AA 179-296
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UCP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

#### **Product Details**

Purpose:	Polyclonal Antibody to Uncoupling Protein 1, Mitochondrial (UCP1)
Immunogen:	Recombinant Uncoupling Protein 1, Mitochondrial (UCP1) corresdonding to Pro179~Leu296 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against UCP1. It has been selected for its ability to recognize UCP1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

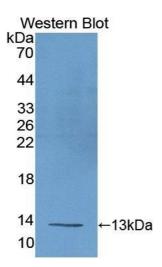
## Target Details

Target:	UCP1
Alternative Name:	Uncoupling Protein 1, Mitochondrial (UCP1 Products)
Background:	SLC25A7, UCP, Thermogenin, Solute carrier family 25 member 7
Pathways:	Proton Transport, Brown Fat Cell Differentiation
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### **Application Details**

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Application Notes:	Western blotting: 0.5-2 μg/mL Immunohistochemistry: 5-20 μg/mL Immunocytochemistry: 5-20 μg/mL
	Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.

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Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



#### **Western Blotting**

**Image 1.** Detection of Recombinant UCP1, Mouse using Polyclonal Antibody to Uncoupling Protein 1, Mitochondrial (UCP1)