# PGC1 beta Rabbit mAb

Catalog No.: A4331 Recombinant



# **Basic Information**

#### **Observed MW**

113kDa

### **Calculated MW**

113kDa

### Category

Primary antibody

### **Applications**

WB,ELISA

#### **Cross-Reactivity**

Human, Rat

#### CloneNo number

ARC2136

# **Background**

The protein encoded by this gene stimulates the activity of several transcription factors and nuclear receptors, including estrogen receptor alpha, nuclear respiratory factor 1, and glucocorticoid receptor. The encoded protein may be involved in fat oxidation, non-oxidative glucose metabolism, and the regulation of energy expenditure. This protein is downregulated in prediabetic and type 2 diabetes mellitus patients. Certain allelic variations in this gene increase the risk of the development of obesity. Three transcript variants encoding different isoforms have been found for this gene.

### **Recommended Dilutions**

**WB** 1:500 - 1:1000

**ELISA** 

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

### **Immunogen Information**

**Gene ID Swiss Prot** 133522 Q86YN6

#### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

# **Synonyms**

PERC; ERRL1; PGC1B; PGC-1(beta); PGC1 beta

### **Contact**

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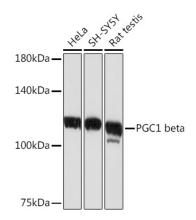
### **Product Information**

Source Isotype **Purification** Rabbit IgG Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of various lysates using PGC1 beta Rabbit mAb (A4331) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins:  $25\mu g$  per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.