

## Adiponectin Rabbit Polyclonal Antibody

### Catalog #: EAB13642

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Polyclonal	WB, IHC-P, IF/ICC	26	Human, Mouse, Rat

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB(Western Blotting)	1:500-2000
IHC-P(Immunohistochemistry-Paraffin)	1:50-300
IF/ICC(Immunofluorescence/Immunocytochemistry)	1:50-300

### Product Information

Conjugate	Unconjugate
Specificity	Adiponectin Rabbit Polyclonal Antibody detects endogenous levels of Adiponectin protein.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
Shipping	Gel Pack
Storage	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks
UniProt ID	<a href="#">Q15848</a>
Entrez-Gene Id	<a href="#">9370</a>

### Product Description

Adiponectin (also designated AdipoQ, Acrp30, apM1 and GBP28), is an adipokine expressed exclusively in brown and white adipocytes. It is secreted into the blood and exists in three major forms: a low molecular weight trimer, a medium molecular weight hexamer and a high molecular weight multimer. Adiponectin levels are decreased in obese and insulin-resistant mice and humans, suggesting that this adipokine is critical to maintain insulin sensitivity. Adiponectin stimulates the phosphorylation of AMPK $\alpha$  at Thr172 and activates AMPK in skeletal muscle. It also stimulates glucose uptake in myocytes. The block of AMPK activation by a dominant-negative AMPK $\alpha$ 2 isoform inhibits the effect of adiponectin on glucose uptake, indicating that adiponectin stimulates glucose uptake and increases insulin sensitivity through its action on AMPK.

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