

## Product datasheet for **AP20343PU-N**

### AMPK beta 1 (PRKAB1) Rabbit Polyclonal Antibody

#### Product data:

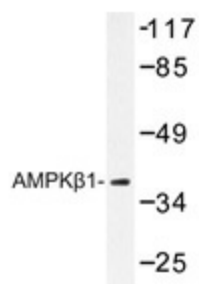
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunohistochemistry on paraffin sections:</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of AMPK $\beta$ 1 protein.
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen; purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 38 kDa
Gene Name:	protein kinase AMP-activated non-catalytic subunit beta 1
Database Link:	<a href="#">Entrez Gene 19079 Mouse</a> <a href="#">Entrez Gene 83803 Rat</a> <a href="#">Entrez Gene 5564 Human Q9Y478</a>
Background:	AMPK $\beta$ 1 is a member of the SNF1 kinase family. It is a heterotrimeric protein comprising of an alpha (catalytic), beta (non-catalytic) and gamma (non-catalytic) subunits, 63, 38 and 38kDa respectively. AMPK $\beta$ 1 regulates fatty acid and sterol synthesis by phosphorylation of acetyl-coA. It also regulates cholesterol synthesis via phosphorylation and in-activation of hydroxymethylglutaryl-CoA reductase. Two isoforms of AMPK $\beta$ 1 have been found.
Synonyms:	PRKAB1
Protein Families:	Druggable Genome



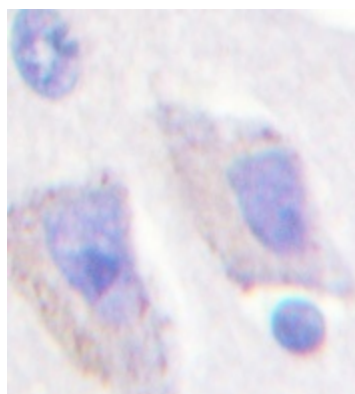
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**Protein Pathways:** Adipocytokine signaling pathway, Hypertrophic cardiomyopathy (HCM), Insulin signaling pathway

**Product images:**



Western blot analysis of AMPKβ1 antibody (Cat.-No.: AP20343PU-N) in extracts from COS7 cells.



Immunohistochemistry analyzes of AMPKβ1 antibody (Cat.-No.: AP20343PU-N) in paraffin-embedded human brain tissue.