

# AMP binds to gamma subunit of AMP kinase heterotrimer

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## Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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## Literature references

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Reactome database release: 88

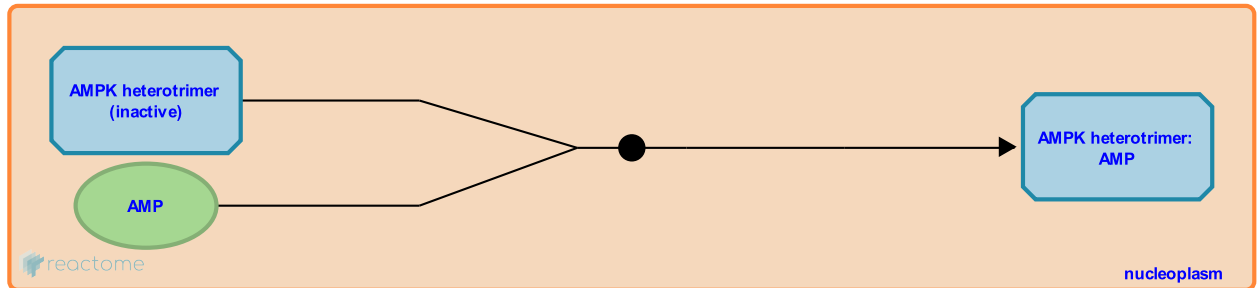
This document contains 1 reaction ([see Table of Contents](#))

## AMP binds to gamma subunit of AMP kinase heterotrimer [↗](#)

**Stable identifier:** R-HSA-163664

**Type:** binding

**Compartments:** nucleoplasm



At the beginning of this reaction, 1 molecule of 'AMPK heterotrimer (inactive)', and 1 molecule of 'AMP' are present. At the end of this reaction, 1 molecule of 'AMPK heterotrimer:AMP' is present.

This reaction takes place in the 'nucleus'.

### Literature references

Carling, D., Davies, SP., Salt, IP., Cheung, PC., Hardie, DG. (2000). Characterization of AMP-activated protein kinase gamma-subunit isoforms and their role in AMP binding. *Biochem J*, 346, 659-69. [↗](#)