

## Anti-Human AMPK beta 2 DyLight® 488 conjugated PRKAB2 Antibody(monoclonal, 6G1)

Catalog Number: M05077-Dyl488

### About PRKAB2

5'-AMP-activated protein kinase subunit beta-2 is an enzyme that in humans is encoded by the PRKAB2 gene. The protein encoded by this gene is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. It is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This subunit may be a positive regulator of AMPK activity. It is highly expressed in skeletal muscle and thus may have tissue-specific roles. Multiple alternatively spliced transcript variants have been found for this gene.

### Overview

Product Name	Anti-Human AMPK beta 2 DyLight® 488 conjugated PRKAB2 Antibody(monoclonal, 6G1)
Reactive Species	Human
Description	Boster Bio Anti-Human AMPK beta 2 DyLight® 488 conjugated PRKAB2 Antibody (monoclonal, 6G1) catalog # M05077-Dyl488. Tested in Flow Cytometry applications. This antibody reacts with Human.
Conjugate	DyLight®488
Application	Flow Cytometry
Clonality	Monoclonal 6G1
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Mouse
Uniprot ID	O43741

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human AMPK beta 2, different from the related mouse sequence by three amino acids, and from the related rat sequence by two amino acids.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2b

Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Suggested Dilutions	Flow Cytometry (Fixed), 1-3ug/1x10 <sup>6</sup> cells

## Anti-Human AMPK beta 2 DyLight® 488 conjugated PRKAB2 Antibody(monoclonal, 6G1) (M05077-Dyl488) Images

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