

DESCRIPTION

Species Reactivity	Human
Specificity	Detects recombinant human AMPKβ2 protein in Direct ELISA.
Source	Monoclonal Mouse IgG _{2B} Clone # 1092615
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> - derived recombinant human AMPKbeta2 Met1-Ile272 Accession # O43741
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

AMP-activated protein kinase (AMPK) is a heterotrimeric complex consisting of a catalytic α subunit and regulatory β and γ subunits. Each subunit exists as alternate isoforms (α1, α2, β1, β2, γ1, γ2, γ3), with all 12 combinations able to form complexes. The β1 subunit is expressed at higher levels than the β2 subunit in liver, while β2 is more abundant in skeletal muscle. AMPK's role in metabolic regulation has implicated this serine/threonine kinase as a therapeutic target in heart disease, obesity, and diabetes.

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