

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat PKA RI β in Western blots. In Western blots, less than 1% cross-reactivity with recombinant human (rh) PKA RI α or rhPKA RI β is observed; cross-reactivity with PKA RI α is unknown.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human PKA RI β Met1-Val381 Accession # P31321
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

The cAMP-dependent protein kinase (PKA) holoenzyme is composed of two regulatory and two catalytic subunits, designated PKA R and PKA C, respectively. PKA R subunits exist as two classes, RI and RII, with each class containing two isoforms, α and β . Upon PKA R subunit binding to the second messenger cAMP, active PKA C subunits are released, initiating a phosphorylation cascade that regulates such cellular functions as metabolism, ion transport, and gene transcription.

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