

Phospho-PKA RII alpha (Ser99) Antibody

Cat. No.:	HY-P80847
Synonyms:	Phospho-PKA RII alpha (Ser99) Antibody is a non-conjugated and Rabbit originated polyclonal antibody about 46 kDa, targeting to Phospho-PKA RII alpha (Ser99). It can be used for WB,IHC-P,ICC/IF,IP assays with tag free, in the background of Human, Mouse, Rat, Pig.
Host:	Rabbit
Reactivity:	Human, Mouse, Rat, Pig
Conjugation:	Non-conjugated
SwissProt ID:	P13861
Research Field:	Signal Transduction
Molecular Weight:	Predicted band size: 46 kDa

PROPERTIES

Formulation	Supplied in phosphate buffered saline (pH 7.4), 150 mM NaCl and 50% glycerol. Preservative: 0.02% sodium azide	
Purity	affinity purified	
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.	
Appearance	Liquid	
Application & Dilution Ratio	Application	Dilution Ratio
	WB	1:500-1:1,000
	IHC	1:50-1:100
	IF	1:50-1:200
	IP	1:20
Shipping	Shipping with blue ice.	

DESCRIPTION

Background

PKA RII alpha: cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits have been identified in humans. The protein encoded by this gene is one of the regulatory subunits. This subunit can be phosphorylated by the activated catalytic subunit. It may interact with various A-kinase anchoring proteins and determine the subcellular localization of cAMP-dependent protein kinase. This subunit has been shown to regulate protein transport from endosomes to the Golgi apparatus and further to the endoplasmic reticulum (ER). [provided by RefSeq, Jul 2008]

Caution: Product has not been fully validated for medical applications. For research use only.

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