

PP2A Rabbit Monoclonal Antibody

Catalog #: EAB21236

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Monoclonal	WB, IP, IHC-P, IF/ICC	36	Human, Mouse, Rat, Zebrafish

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB (Western Blotting)	1:500-2000
IP (Immunoprecipitation)	1:10-100
IHC-P (Immunohistochemistry-Paraffin)	1:50-200
IF/ICC (Immunofluorescence/Immunocytochemistry)	1:50-200

Product Information

Conjugate	Unconjugate
Specificity	PP2A Rabbit Monoclonal Antibody detects endogenous levels of PP2A protein.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
Shipping	Gel Pack
Storage	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks
UniProt ID	P62714 , P67775
Entrez-Gene ID	5516 , 5515

Product Description

The catalytic subunit of protein phosphatase 2A (PP2A) is inactivated by in vitro phosphorylation of Tyr-307 by receptor and nonreceptor protein tyrosine kinases. The catalytic subunit of PP2A is phosphorylated by tyrosine-specific protein kinases and associates with a variety of regulatory subunits. Phosphorylation is enhanced in the presence of the phosphatase inhibitor okadaic acid, consistent with an autodephosphorylation reaction. Phosphorylation is catalyzed by p60v-src, p56lck, epidermal growth factor receptors, and insulin receptors. Transient deactivation of PP2A might enhance transmission of cellular signals through kinase cascades within cells. In eukaryotes, the phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions, including cell division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the protein phosphatases.

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