

Pin1(Phospho Ser16) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP13054
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Pin1 around the phosphorylation site of Ser16. AA range:1-50
Mol wt	18243
Species reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1
Synonyms	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1; PIN1; Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1; Peptidyl-prolyl cis-trans isomerase Pin1; PPIase Pin1; Rotamase Pin1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Peptidyl-prolyl cis/trans isomerases (PPIases) catalyze the cis/trans isomerization of peptidyl-prolyl peptide bonds. This gene encodes one of the PPIases, which specifically binds to phosphorylated ser/thr-pro motifs to catalytically regulate the post-phosphorylation conformation of its substrates. The conformational regulation catalyzed by this PPIase has a profound impact on key proteins involved in the regulation of cell growth, genotoxic and other stress responses, the immune response, induction and maintenance of pluripotency, germ cell development, neuronal differentiation, and survival. This enzyme also plays a key role in the pathogenesis of Alzheimer's disease and many cancers. Multiple alternatively spliced transcript variants have been found for this gene.

Recommended Dilution

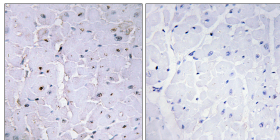
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

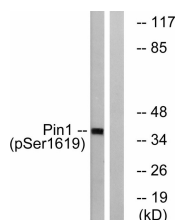
ELISA: 1: 20000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human heart, using Pin1 (Phospho-Ser16) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COS7 cells treated with insulin 0.01U/ml 15', using Pin1 (Phospho-Ser16) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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