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Rabbit Anti-CIP2A/p90 Autoantigen antibody

SL5948R

Product Name:	CIP2A/p90 Autoantigen
Chinese Name:	蛋白磷酸酶PP2A癌抑制蛋白抗体
Alias:	p90 Autoantigen Cancerous Inhibitor of Protein Phosphatase 2A; CIP2A; FLJ12850; KIAA1524; MGC163436; p90; CIP2A/p90 Autoantigen.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	100kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human p90 Autoantigen:601-700/905
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Inhibition of protein phosphatase 2A (PP2A) activity has been identified as a prerequisite for the transformation of human cells. The protein, designated Cancerous Inhibitor of PP2A (CIP2A, p90 Autoantigen), interacts directly with the oncogenic transcription factor c-Myc, inhibits PP2A activity toward c-Myc serine 62 (S62), and thereby prevents c-Myc proteolytic degradation. In addition to its function in c-Myc stabilization, p90 Autoantigen promotes anchorage-independent cell growth and in vivo

tumor formation. The oncogenic activity of p90 Autoantigen is demonstrated by transformation of human cells by overexpression of p90 Autoantigen. Importantly, p90 Autoantigen is overexpressed in two common human malignancies, head and neck squamous cell carcinoma (HNSCC) and colon cancer.

Subunit:
Interacts with MYC.

Subcellular Location:
Membrane; Single-pass membrane protein (Potential). Cytoplasm. Note=Slightly concentrates in the perinuclear region.

Tissue Specificity:
Expressed at low levels in most of the tissues. Overexpressed in head-and-neck squamous cell carcinomas (HNSCC). Present in liver cancer cells (at protein level).

SWISS:
Q8TCG1

Gene ID:
57650

Database links:

Entrez Gene: 57650 Human

Entrez Gene: 224171 Mouse

Entrez Gene: 360711 Rat

Omim: 610643 Human

SwissProt: Q8TCG1 Human

SwissProt: Q8BWY9 Mouse

SwissProt: D3ZF50 Rat

Unigene: 591308 Human

Unigene: 24491 Mouse

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.