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Rabbit Anti-PNMA1 antibody

SL11926R

Product Name	PNMA1
Chinese Name	旁瘤抗原 MA1 抗体
Alias	37 kDa neuronal protein; MA1; Paraneoplastic antigen MA1; Neuron- and testis-specific protein 1; Paraneoplastic antigen Ma1; Pnma1; PNMA1_HUMAN.
Research Area	Tumour immunology Neurobiology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep,)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	40kDa
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human PNMA1: 165-270/353
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product	Paraneoplastic neurological disorders (PNDs) are rare syndromes that are caused by, or

Detail

associated with, an underlying neoplasm. The most common neoplasm among young male patients is testicular cancer, but the leading cause among other patients is lung cancer. Most PNDs are caused by an immune response against onconeural antigens, causing progressive neurological damage. The paraneoplastic antigen MA family contains three known members: MA1, MA2 and MA3. MA1, also designated neuron- and testis-specific protein 1, is a nucleolar protein in normal cells but localizes to the cytoplasm of tumor cells. MA2, also designated onconeuronal antigen MA2, is a nucleolar protein expressed in brain and testis. MA3 is highly expressed in brain and testis and is expressed at low levels in heart, trachea and kidney.

Function:
PNMA1 (Paraneoplastic antigen MA1) is a protein that is highly restricted to the brain and testis. A paraneoplastic phenomenon is a disease or symptom that is the consequence of the presence of cancer in the body, but is not due to the local presence of cancer cells. These phenomena are mediated by humoral factors (by hormones or cytokines) excreted by tumor cells or by an immune response against the tumor. Sometimes the symptoms of paraneoplastic syndromes show even before the diagnosis of a malignancy. Paraneoplastic syndromes can be divided into 4 main categories: mucocutane paraneoplastic syndromes, neurological paraneoplastic syndromes, haematological paraneoplastic syndromes and endocrine metabolic syndromes.

Subcellular Location:
Nucleus; nucleolus. In tumor cells, it is cytoplasmic.

Tissue Specificity:
Testis and brain specific. In some patients suffering from cancers, it is also specifically expressed by the paraneoplastic tumor cells.

Similarity:
Belongs to the PNMA family.

SWISS:
Q8ND90

Gene ID:
9240

Database links:

Entrez Gene: 538718 Cow

Entrez Gene: 490774 Dog

Entrez Gene: 100050444 Horse

Entrez Gene: 9240 Human

Entrez Gene: 70481 Mouse

Entrez Gene: 100154070 Pig

Entrez Gene: 170636 Rat

Omim: 604010 Human

SwissProt: A6QLK5 Cow

SwissProt: Q8ND90 Human

SwissProt: Q8C1C8 Mouse

SwissProt: Q8VHZ4 Rat

Unigene: 194709 Human

Unigene: 444348. Mouse

Unigene: 81186 Rat