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[Marker Primary Antibody]

Rabbit Anti-PNMA1/Biotin Conjugated antibody

Catalog Number: SL11926R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-PNMA1/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human PNMA1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:50-200 IF=1:100-500 ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Background:	background: Paraneoplastic neurological disorders (PNDs) are rare syndromes that are caused by, or 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

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