SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-MAGE-1 antibody

SL0817R

Product Name:	MAGE-1
Chinese Name:	黑色素瘤相关抗原抗体
Alias:	MAGE-1 protein; Antigen MZ2 E; MAGE 1 antigen; MAGE1; MAGE1A; MAGEA1; Melanoma antigen 1; Melanoma antigen family A 1 (directs expression of antigen MZ2 E); Melanoma antigen family A 1; Melanoma antigen MAGE 1; Melanoma associated antigen 1; Melanoma associated antigen MZ2 E; MAGA1_HUMAN; MGC9326.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	34kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MAGE-1:101-200/309
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:	The MAGE 1 gene is a member of the melanoma antigen encoding gene family. These genes encode for HLA-restricted tumor associated rejection antigens recognized by cytotoxic T lymphocytes. Some of these target antigens may be potentially useful for cancer specific immunotherapy. The expression of MAGE genes has been reported not

only in melanoma but also in various other malignant tumors such as hepatocellular carcinoma and germ cell tumors.

Function:
May be involved in transcriptional regulation through interaction with SNW1 and recruiting histone deactelyase HDAC1. May inhibit notch intracellular domain (NICD) transactivation. May play a role in embryonal development and tumor transformation or aspects of tumor progression. Antigen recognized on a melanoma by autologous cytolytic T-lymphocytes.

Subunit:
Interacts with SNW1 and HDCA1.

Subcellular Location:
Cytoplasm. Nucleus.

Tissue Specificity:
Expressed in many tumors of several types, such as melanoma, head and neck squamous cell carcinoma, lung carcinoma and breast carcinoma, but not in normal tissues except for testes. Never expressed in kidney tumors, leukemias and lymphomas.

Similarity:
Contains 1 MAGE domain.

SWISS:
P43355

Gene ID:
4100

Database links:

Entrez Gene: 4100Human

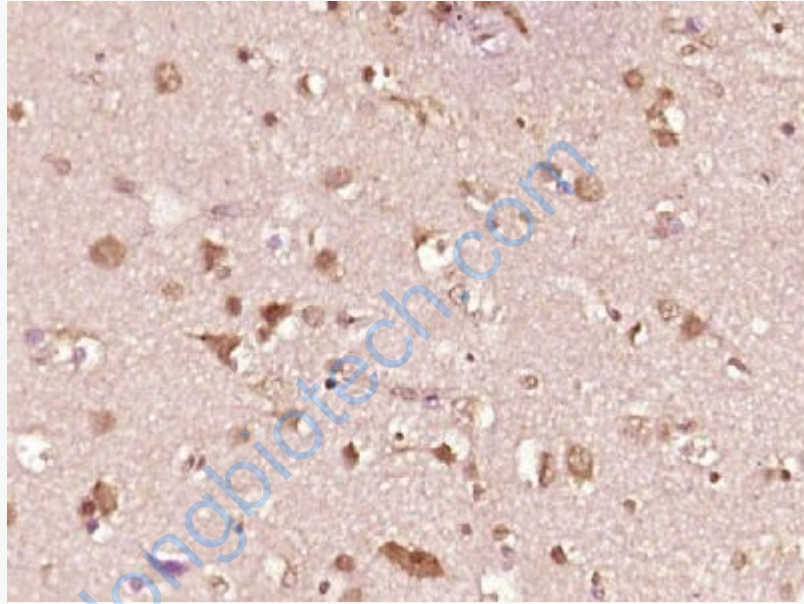Entrez Gene: 17137Mouse

Entrez Gene: 493750Rat

Omim: 300016Human

SwissProt: P43355Human

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

Mage-

	1表达于正常的黑素细胞和大多数原发及转移的黑色素瘤中，故称：黑色素瘤相关抗原。MAGE-1是重要的Tumour特异性抗原-MAGE家族成员,近年被认为是一种辨别黑色素病变的有效抗原。主要用于恶性Tumour方面的研究。MAGE-1基因属于黑色素瘤抗原编码基因家族，其编码产物表达于各种组织类型的Tumour中。包括黑色素瘤、神经胶质脑Tumour、成神经细胞瘤、肾细胞癌等，但正常组织表达量较少货没有。
Picture:

Paraformaldehyde-fixed, paraffin embedded (Human glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAGE-1) Polyclonal Antibody, Unconjugated (SL0817R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining. |
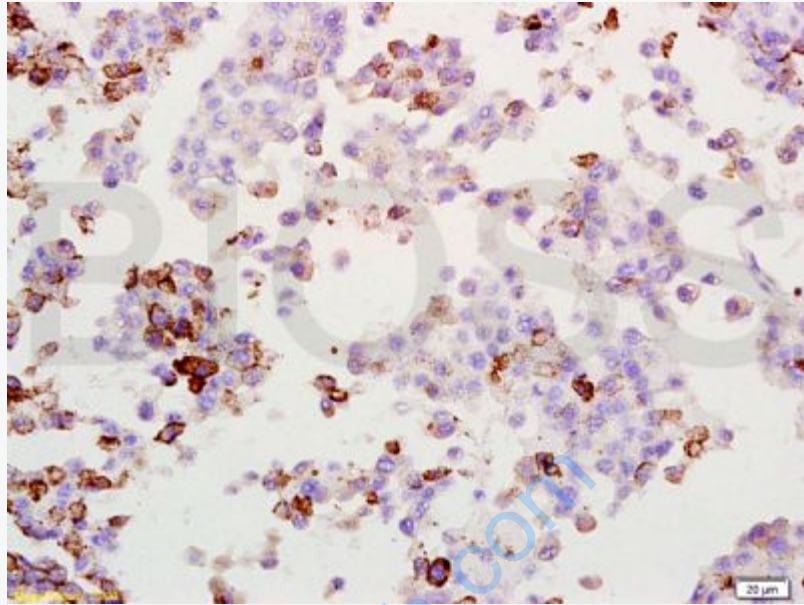
Tissue/cell: rat lung tissue（Melanoma）; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-MAGE-1 Polyclonal Antibody, Unconjugated(SL0817R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining