

MAGEA12 Antibody (N-term)

Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6162a

Specification

MAGEA12 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	P43365
Other Accession	NP_005358
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Clone Names	RB2191
Antigen Region	81-108

MAGEA12 Antibody (N-term) - Additional Information

Other Names

Melanoma-associated antigen 12, Cancer/testis antigen 112, CT112, MAGE-12 antigen, MAGE12F antigen, MAGEA12, MAGE12

Target/Specificity

This MAGEA12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 81-108 amino acids from the N-terminal region of human MAGEA12.

Dilution

WB~1:1000
IHC-P~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

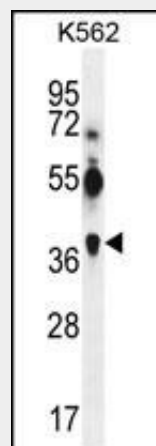
Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

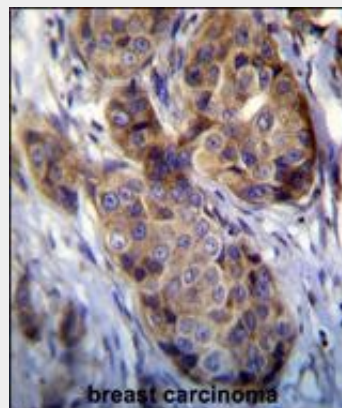
Precautions

MAGEA12 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MAGEA12 Antibody (N-term) - Protein Information



MAGEA12 Antibody (S96) (Cat. #AP6162a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the MAGEA12 antibody detected the MAGEA12 protein (arrow).



MAGEA12 antibody (N-term) (Cat. #AP6162a) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MAGEA12 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

MAGEA12 Antibody (N-term) - Background

MAGEA12 is a member of the melanoma antigen gene (MAGE) family. The proteins of this family are tumor-specific antigens that can be

Name MAGEA12

Synonyms MAGE12

Function

Not known, though may play a role tumor transformation or progression. In vitro promotes cell viability in melanoma cell lines.

Tissue Location

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 EMBL; L18877; AAA19023.1; -; Genomic_DNA EMBL; U82671; -; NOT_ANNOTATED_CDS; Genomic_DNA EMBL; BT007108; AAP35772.1; -; mRNA EMBL; CR541775; CAG46574.1; -; mRNA EMBL; AK314168; BAG36852.1; -; mRNA EMBL; CH471169; EAW99432.1; -; Genomic_DNA EMBL; BC003408; AAH03408.1; -; mRNA CCDS; CCDS76048.1; - PIR; I54519; I54519 RefSeq; NP_001159858.1; NM_001166386.3 RefSeq; NP_001159859.1; NM_001166387.3 RefSeq; NP_005358.2; NM_005367.6 UniGene; Hs.169246; - ProteinModelPortal; P43365; - SMR; P43365; - BioGrid; 110285; 26 IntAct; P43365; 25 STRING; 9606.ENSP00000350592; - iPTMnet; P43365; - PhosphoSitePlus; P43365; - BioMuta; MAGEA12; - DMDM; 14286145; - EPD; P43365; - jPOST; P43365; - PaxDb; P43365; - PeptideAtlas; P43365; - PRIDE; P43365; - ProteomicsDB; 55628; - DNASU; 4111; - Ensembl; ENST00000357916; ENSP00000350592; ENSG00000213401 Ensembl; ENST00000393869; ENSP00000377447; ENSG00000213401 Ensembl; ENST00000393900; ENSP00000377478; ENSG00000213401 GeneID; 4111; - KEGG; hsa:4111; - UCSC; uc004fgc.3; human CTD; 4111; - DisGeNET; 4111; - EuPathDB; HostDB:ENSG00000213401.8; - GeneCards; MAGEA12; - HGNC; HGNC:6799; MAGEA12 MIM; 300177; gene neXtProt; NX_P43365; - OpenTargets; ENSG00000213401; - PharmGKB; PA30545; - eggNOG; KOG4562; Eukaryota eggNOG; ENOG4111S70; LUCA GeneTree; ENSGT00940000164673; - HOGENOM; HOG000231161; - HOVERGEN; HBG006315; - InParanoid; P43365; - OMA; PPWSESE; - OrthoDB; 1195799at2759; - PhylomeDB; P43365; - TreeFam; TF328505; - ChiTaRS; MAGEA12; human GeneWiki; MAGEA12; - GenomeRNAi; 4111; - PRO; PR:P43365; - Proteomes; UP000005640; Chromosome X Bgee; ENSG00000213401; Expressed in 30 organ(s), highest expression level in material anatomical entity Genevisible; P43365; HS InterPro; IPR037445; MAGE InterPro; IPR021072; MAGE_N InterPro; IPR002190; MHD_dom PANTHER; PTHR11736; PTHR11736; 1 Pfam; PF01454; MAGE; 1 Pfam; PF12440; MAGE_N; 1 SMART; SM01373; MAGE; 1 SMART; SM01392; MAGE_N; 1 PROSITE; PS50838; MAGE; 1 1: Evidence at protein level; Complete proteome; Polymorphism; Reference proteome; Tumor antigen CHAIN 1 314 Melanoma-associated

recognized by autologous cytolytic T lymphocytes. This gene is expressed in various tumors and tumor cell lines from different tissue origins, but not detected in normal tissues, except testis. The function of this gene is unknown. This and other MAGE genes form a gene cluster at chromosome Xq28 region.

**MAGEA12 Antibody (N-term) -
References**

Mallon, A.M., et al., *Genome Res.* 10(6):758-775 (2000).
Rogner, U.C., et al., *Genomics* 29(3):725-731 (1995).
Ding, M., et al., *Biochem. Biophys. Res. Commun.* 202(1):549-555 (1994).
De Smet, C., et al., *Immunogenetics* 39(2):121-129 (1994).
De Plaen, E., et al., *Immunogenetics* 40(5):360-369 (1994).

antigen 12 /FTId=PRO_0000156711 DOMAIN
109 308 MAGE. {ECO:0000255|PROSITE-
ProRule:PRU00127} COMPBIAS 40 43 Poly-Ser
VARIANT 57 57 E -> D (in dbSNP:rs16996512)
/FTId=VAR_053498 CONFLICT 10 10 C -> S
(in Ref. 2). CONFLICT 187 187 D -> A (in Ref.
1; AAA19023) CONFLICT 300 300 S -> P (in
Ref. 1; AAA19023) SEQUENCE 314 AA; 34836
MW; 7E00F7CECD8F6568 CRC64;
MPLEQRSQHC KPEEGLEAQG EALGLVGAQA
PATEEQETAS SSSTLVEVTL REVPAAESPS
PPHSPQGAST LPTTINYTLW SQSDEGSSNE
EQEGPSTFPD LETSFQVALS RKMAELVHFL
LLKYRAREPF TKAEMLGSVI RNFQDFFPVI
FSKASEYLQL VFGIEVVEVV RIGHLYILVT
CLGLSYDGLL GDNQIVPKTG LLIIVLAIIA
KEGDCAPEEK IWEELSVLEA SDGREDSVFA
HPRKLLTQDL VQENYLEYRQ VPGSDPACYE
FLWGPRALVE TSYVKVLHHL LKISGGPHIS
YPPLHEWAFR EGEE

MAGEA12 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)