

ARG58035 anti-MAGE1 antibody [MA454]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [MA454] recognizes MAGE1
Tested Reactivity	Hu, Rat
Tested Application	IHC-P
Specificity	MAGE1 antibody clone MA454 recognizes a protein of 42-46kDa, identified as MAGE-1. This mAb does not cross-react with MAGE-2, -3, -4, -6 -9, -10, or -12 protein.
Host	Mouse
Clonality	Monoclonal
Clone	MA454
Isotype	IgG1, kappa
Target Name	MAGE1
Species	Human
Immunogen	Full length Human MAGE1 protein.
Conjugation	Un-conjugated
Alternate Names	CT1.1; MAGE-1 antigen; MAGE1; Antigen MZ2-E; Melanoma-associated antigen 1; Cancer/testis antigen 1.1

Application Instructions

Application table	Application	Dilution
	IHC-P	1 - 2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min, followed by cooling at RT for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

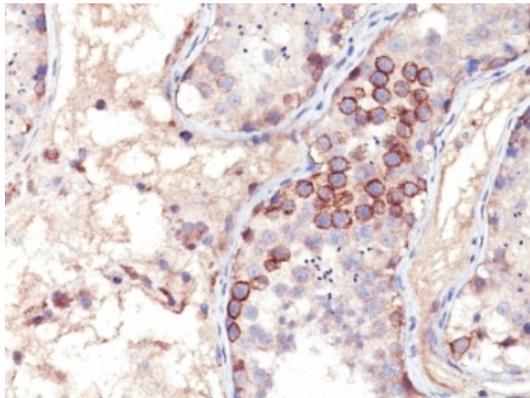
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MAGEA1
Gene Full Name	melanoma antigen family A1
Background	This gene is a member of the MAGEA gene family. The members of this family encode proteins with 50 to 80% sequence identity to each other. The promoters and first exons of the MAGEA genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. The MAGEA genes are clustered at chromosomal location Xq28. They have been implicated in some hereditary disorders, such as dyskeratosis congenita. [provided by RefSeq, Jul 2008]
Function	May be involved in transcriptional regulation through interaction with SNW1 and recruiting histone deacetylase 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. [UniProt]
Calculated Mw	34 kDa

Images



ARG58035 anti-MAGE1 antibody [MA454] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human testis stained with ARG58035 anti-MAGE1 antibody [MA454].