

MAGEC2 Polyclonal Antibody

Catalog Number PA5-37071

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	Dilution * 1:500-1:1,000
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Synthetic peptide corresponding to amino acids 237-282 of human MAGEC2		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7.2, with 50% glycerol		
Contains	0.02% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

This antibody detects endogenous protein at a molecular weight of 41 kDa. Purity is >95% by SDS-PAGE.

Background/Target Information

MAGE-C2/C3 (Melanoma-associated antigen C2, Hepatocellular carcinoma-associated antigen 587) is a 373 amino acid protein encoded by the human gene MAGEC2. Genes of the MAGE family direct the expression of tumor antigens that are recognized on human melanomas by autologous cytolytic T lymphocytes. Among tumor tissues, MAGE-C2/C3 is frequently expressed in seminomas, melanomas, and bladder transitional cell carcinomas. It is also expressed in a significant fraction of head and neck carcinomas, breast carcinomas, nonsmall-cell lung carcinomas, and sarcomas. In hepatocellular carcinoma, there is a inverse correlation between tumor differentiation and protein expression, i. e. the lower the differentiation, the higher percentage of expression. MAGE-C2/C3 is not expressed in normal tissues, except in germ cells in the seminiferous tubules and in Purkinje cells of the cerebellum. It is strongly expressed in spermatogonia and primary spermatocytes, however, at later stages of maturation, expression gradually decreases to become undetectable in mature spermatids.

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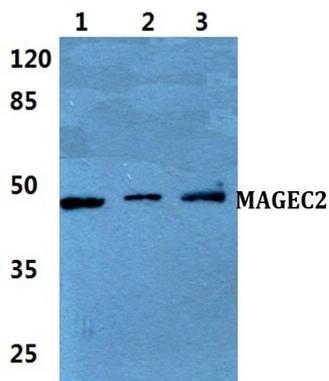
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Product Images For MAGEC2 Polyclonal Antibody

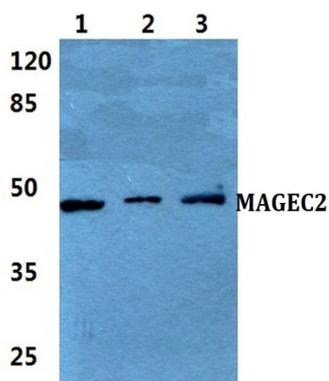
MAGEC2 Antibody (PA5-37071) in WB

Western blot analysis of MAGEC2 in Lane 1: HEK293T cell lysate, Lane 2: NIH-3T3 cell lysate, Lane 3: PC12 cell lysate. Samples were incubated with MAGEC2 polyclonal antibody (Product # PA5-37071) at a dilution of 1:500.



MAGEC2 Antibody (PA5-37071) in WB

Western blot analysis of MAGEC2 using MAGEC2 polyclonal antibody (Product # PA5-37071) at a dilution of 1:500. Lane 1: HEK293T cell lysate, Lane 2: NIH-3T3 cell lysate, Lane 3: PC12 cell lysate.



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