

MAGE-A4 (E7O1U) XP® Rabbit mAb



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Applications: W, IHC-P, IF-IC, FC- FP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 40-50	Source/Isotype: Rabbit IgG	UniProt ID: #P43358	Entrez-Gene Id: 4103
Product Usage Information		Application Western Blotting Immunohistochemistry (Paraffin) Immunofluorescence (Immunocytochemistry) Flow Cytometry (Fixed/Permeabilized)			Dilution 1:1000 1:100 - 1:400 1:50 - 1:100 1:200 - 1:800	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
		For a carrier free (BSA	A and azide free) ver	sion of this product see	product #31135.	
Specificity/Sensitivity		MAGE-A4 (E7O1U) XP [®] Rabbit mAb recognizes endogenous levels of total MAGE-A4 protein. This antibody does not cross-react with MAGE-A2, A3, A6, A10, or A12 proteins.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala 60 of human MAGE-A4 protein.				
Background		largely restricted to in placenta. Although m of gene expression, t	mmune privileged g lost normal somatic heir expression is u lave garnered much	of more than 100 prote erm cells of the testis, or tissues are void of CTA or pregulated in a wide vari attention as attractive to mors (3).	vary, and trophobla expression, due to e lety of human solid	ast cells of the epigenetic silencing and liquid tumors
		family of proteins. MA Research shows MAG and apoptosis in norr liver oncoprotein gan tumor development r status (6). Due to its u	AGE-A4 is often over E-A4 promotes aber mal oral keratinocyt kyrin, suppressing i may be dependent u Ipregulated express d significant attenti	-A4) is a cancer testis an expressed and mutated rrant cell growth by preves (9). However, MAGE-Ats tumorigenic activity (2) upon sub-cellular localization in human tumors aron as an immunotherap	in several types of enting p53-depend 4 was also found to 10). The diverse role ation (nuclear or cyton ad high degree of in	cancer (4-8). lent cell cycle arrest interact with the es of MAGE-A4 in tosolic) and p53 nmunogenicity,
Background References		1. Caballero, O.L. and Chen, Y.T. (2009) <i>Cancer Sci</i> 100, 2014-21. 2. De Smet, C. et al. (1999) <i>Mol Cell Biol</i> 19, 7327-35. 3. Gjerstorff, M.F. et al. (2015) <i>Oncotarget</i> 6, 15772-87. 4. Iura, K. et al. (2017) <i>Virchows Arch</i> 471, 383-92. 5. Sani, S.A. et al. (2018) <i>J Cancer Res Ther</i> 14, 1059-64. 6. Fujiwara-Kuroda, A. et al. (2018) <i>Int J Oncol</i> 53, 713-24. 7. Iura, K. et al. (2017) <i>Hum Pathol</i> 61, 130-9. 8. Caballero, O.L. et al. (2010) <i>PLoS One</i> 5(11):10.1371 9. Caballero, O.L. et al. (2010) <i>PLoS One</i> 5, e12773. doi: 10.1371/journal.pone.0012773. 10. Bhan, S. et al. (2012) <i>Oncol Rep</i> 28, 1498-502. 11. Nagao, T. et al. (2003) <i>J Biol Chem</i> 278, 10668-74. 12. Saito, T. et al. (2014) <i>Vaccine</i> 32, 5901-7. 13. Kageyama, S. et al. (2015) <i>Clin Cancer Res</i> 21, 2268-77. 14. Ueda, S. et al. (2018) <i>Oncotarget</i> 9, 35997-6011. 15. Cruz, C.R. et al. (2011) <i>Clin Cancer Res</i> 17, 7058-66.				73.

Western Blot Buffer IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X

TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence

(Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key H: Human

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