



## Melanoma antigen family A 4 (MAGEA4) polyclonal antibody

Cat. No.	Format	Size
PAB-10794	Purified	100 µg

**Animal ID:**

RB2195/2196

**Host:**

Rabbit

**Reactivity:**

Human

**Buffers:**

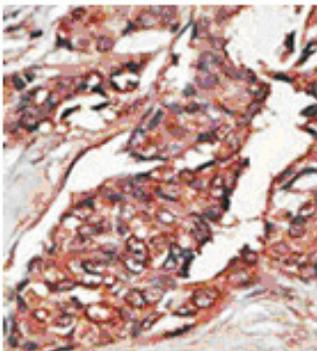
Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

**Storage:**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.

**Application:**

Tested by peptide-specific ELISA (1:1,000). WB (1:100 ~1:500), IHC (1:50 ~1:100)



Human Breast Carcinoma

**Immunogen:**

KLH conjugated synthetic peptide comprised of amino acids 24 - 38 [GLVGAQAPTTEEQEA] of the human melanoma antigen family A 4 (MAGEA4) protein.

**Accession number:**

[NM\\_002362](#)

**Description:**

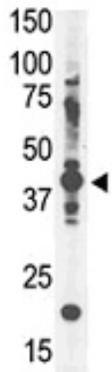
The human MAGE genes are expressed in a wide variety of tumors but not in normal cells, with the exception of the male germ cells, placenta, and, possibly, cells of the developing embryo. Genes of the MAGE family direct the expression of tumor-specific antigens recognized on a human melanoma by autologous cytolytic T lymphocytes. The MAGE genes are located on the X chromosome, in four clusters denoted MAGE-A, B, C, and D mapping at q28, p21.3, q26, and p11.2, respectively. Twelve closely related MAGE-A genes including [MAGE-A4](#) are located in the Xq28 region. They share 60-98% nucleotide identity in their coding region. The function of these genes remains unknown. is a member of the melanoma antigen family A (MAGE-A).

**Alternative Name(s):**

Member A4 of the melanoma antigen family, melanoma antigen family A4, MAGE4A, MAGE4B, MAGEA4

**References:**

- [Resnick MB, Sabo E, Kondratev S, Kerner H, Spagnoli GC, Yakirevich E](#): Cancer-testis antigen expression in uterine malignancies with an emphasis on carcinosarcomas and papillary serous carcinomas. *Int. J. Cancer* 101(2): 190-195 (2002).
- [Kocher T, Zheng M, Bolli M, Simon R, Forster T, Schultz-Thater E, Remmel E, Noppen C, Schmid U, Ackermann D, Mihatsch MJ, Gasser T, Heberer M, Sauter G, Spagnoli GC](#): Prognostic relevance of MAGE-A4 tumor antigen expression in transitional cell carcinoma of the urinary



WB analysis of A375 cell lysate

bladder: a tissue microarray study. *Int. J. Cancer* 100(6): 702-705 (2002).

3. [Imai Y, Shichijo S, Yamada A, Katayama T, Yano H, Itoh K](#): Sequence analysis of the MAGE gene family encoding human tumor-rejection antigens. *Gene* 160(2): 287-290 (1995).
4. [De Plaen E, Arden K, Traversari C, Gaforio JJ, Szikora JP, De Smet C, Brasseur F, van der Bruggen P, Lethe B, Lurquin C, et al.](#): Structure, chromosomal localization, and expression of 12 genes of the MAGE family. *Immunogenetics* 40(5): 360-369 (1994).

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