

Product datasheet for **AP13128PU-N**

MAGE 1 (MAGEA1) Rabbit Polyclonal Antibody

Product data:

| | |
|------------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | ELISA: 1/1,000. Western Blot: 1/100 - 1/500. Immunohistochemistry: 1/50 - 1/100. |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | Ig |
| Clonality: | Polyclonal |
| Immunogen: | This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the center region of human MAGEA1. |
| Specificity: | This antibody reacts to MAGEA1. |
| Formulation: | PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig |
| Concentration: | lot specific |
| Purification: | Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | MAGE family member A1 |
| Database Link: | Entrez Gene 4100 Human P43355 |



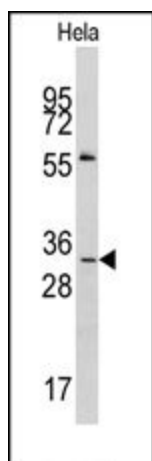
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Background:

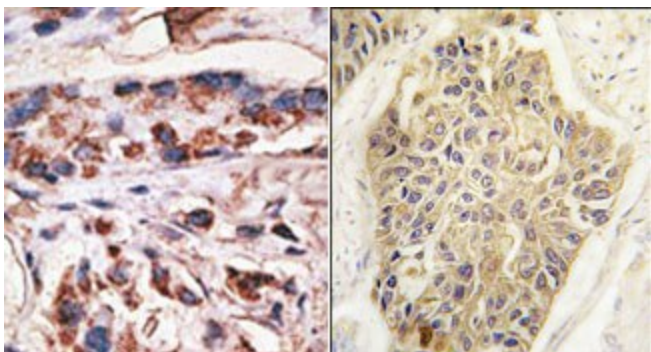
MAGEA1 is a member of the MAGEA gene family. The members of this family have their entire coding sequences located in the last exon, and the encoded proteins show 50 to 80% sequence identity between each other. The promoters and first exons of the MAGEA genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. The MAGEA genes are expressed at a high level in a number of tumors of various histologic types, and are silent in normal tissues with the exception of testis and placenta. The MAGEA genes are clustered on chromosome Xq28. They may be implicated in some hereditary disorders, such as dyskeratosis congenita.

Synonyms:

MAGE 1, MAGE1, Melanoma-associated antigen 1, MAGEA1, MAGE1A

Product images:

Western blot analysis of anti-MAGEA1 Antibody (Center) in HeLa cell line lysates (35ug/lane). MAGEA1 (arrow) was detected using the purified Pab (1:60dilution).



(LEFT)Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. (RIGHT)Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with MAGEA1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.