

PRAME

Rabbit Anti-Human PRAME pAb

Catalog No.	CS547A	Quantity:	100 µg
	CS547B		200 µg

Alternate Names: CT130, MAPE, OIP-4, OIP4

Description: PRAME/MAPE/OIP4 is a germinal tissue-specific gene that is also expressed at high levels in haematological malignancies and solid tumors. The physiological functions of PRAME in normal and tumor cells are unknown, although a role in the regulation of retinoic acid signaling has been proposed. Sequence homology and structural predictions suggest that PRAME is related to the Leucine-rich repeat (LRR) family of proteins, which have diverse functions. PRAME, or "PReferentially expressed Antigen in MELanoma", was originally identified as a gene encoding an HLA-A24 restricted antigenic peptide presented to autologous tumor-specific cytotoxic T lymphocytes derived from a patient with melanoma. PRAME is synonymous with MAPE (Melanoma Antigen Preferentially Expressed in tumors) and OIP4 (OPA-Interacting Protein 4), and its expression profile defines it as a cancer-testis antigen. Cancer-testis antigens (CTAs) are encoded by non-mutated genes expressed at high levels in germinal tissues and tumors, but which are absent from or detected at low levels in other tissues. PRAME may be somewhat different from other cancer-testis antigens in that it shows some expression in normal tissues such as ovary, adrenal, placenta and endometrium. The C-terminus of human PRAME (amino acids 453-509) was also identified to bind *Neisseria gonorrhoeae* opacity factors, in this case the OPA-P protein. Thus PRAME is also known as OIP4 (OPA interacting protein), although the functional implications of the interaction are unknown.

Rabbit anti-Human PRAME pAb is produced from sera of rabbits pre-immunized with highly pure (>95%) recombinant Human PRAME C-terminal end (aa Met321 - Asn509).

Gene ID: 23532

Purity: NP_006106.1

Host: Rabbit

Immunogen: Recombinant Human PRAME (aa Met321 - Asn509) made in *E. coli*.

Isotype: IgG

Formulation: Lyophilized from PBS

Purification: Protein A purified

Reconstitution: **Centrifuge vial prior to opening.** Reconstitute in sterile water to a concentration of 0.1 -1.0 mg/ml.

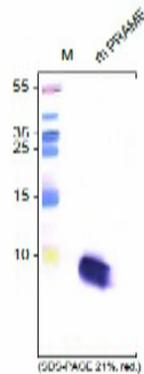
Applications: Western blot

Application Notes: Western blot: use 1-5 µg/ml.



Storage & Stability: The lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C. **Avoid repeated freeze/thaw cycles.**

Western blot analysis of Rabbit anti-human PRAME loaded in 21% SDS-PAGE under reducing conditions. Lane 1, MW markers (kDa). Lane 2, Recombinant Human PRAME.



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