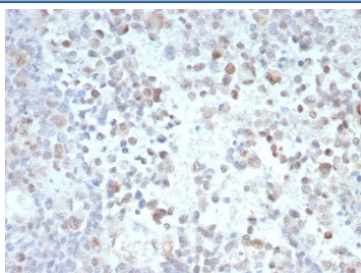


## Opa-interacting protein 4 Antibody / OIP-4 / PRAME [clone PRAME/9189] (V5572)

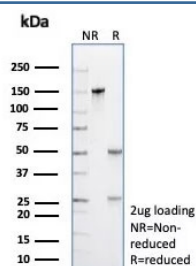
| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V5572-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5572-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V5572SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

### Bulk quote request

|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Purified  |
| <b>Clonality</b>          | Monoclonal (mouse origin)   |
| <b>Isotype</b>            | Mouse IgG2b, kappa  |
| <b>Clone Name</b>         | PRAME/9189  |
| <b>Purity</b>             | Protein A/G affinity  |
| <b>UniProt</b>            | P78395  |
| <b>Localization</b>       | Nucleus, Cytoplasm, Cell membrane   |
| <b>Applications</b>       | Immunohistochemistry (FFPE) : 1-2ug/ml                                      |
| <b>Limitations</b>        | This Opa-interacting protein 4 antibody is available for research use only. |



IHC staining of FFPE human melanoma tissue with Opa-interacting protein 4 antibody (clone PRAME/9189). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Opa-interacting protein 4 antibody (clone PRAME/9189) as confirmation of integrity and purity.

## Description

Functions as a transcriptional repressor, inhibiting the signaling of retinoic acid through the retinoic acid receptors RARA, RARB and RARG. Prevents retinoic acid-induced cell proliferation arrest, differentiation and apoptosis. This gene encodes an antigen that is preferentially expressed in human melanomas and that is recognized by cytolytic T lymphocytes. It is not expressed in normal tissues, except testis. The encoded protein acts as a repressor of retinoic acid receptor, and likely confers a growth advantage to cancer cells via this function. Alternative splicing results in multiple transcript variants.

## Application Notes

Optimal dilution of the PRAME antibody should be determined by the researcher.

## Immunogen

A recombinant fragment (within amino acids 100-250) of human PRAME protein was used as the immunogen for the Opa-interacting protein 4 antibody.

## Storage

Aliquot the PRAME antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.