

Datasheet for ABIN2781894  
**anti-Osteoactivin antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | Osteoactivin (GPNMB)  |
| Binding Specificity: | N-Term  |
| Reactivity:          | Human, Mouse, Rat, Cow, Guinea Pig, Horse, Dog, Rabbit, Zebrafish (Danio rerio) |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This Osteoactivin antibody is un-conjugated                                     |
| Application:         | Western Blotting (WB)   |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | The immunogen is a synthetic peptide directed towards the N terminal region of human GPNMB                                      |
| Sequence:             | KGGRVQAVLT SDSPALVGSN ITFAVNLIFP RCQKEDANGN IVYEKNCRNE  |
| Predicted Reactivity: | Cow: 93%, Dog: 79%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 85%, Rat: 100%, Zebrafish: 77%             |
| Characteristics:      | This is a rabbit polyclonal antibody against GPNMB. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification:         | Affinity Purified   |

## Target Details

|         |                      |
|---------|----------------------|
| Target: | Osteoactivin (GPNMB) |
|---------|----------------------|

## Target Details

|                   |   |
|-------------------|---|
| Alternative Name: | GPNMB ( <a href="#">GPNMB Products</a> )  |
| Background:       | <p>GPNMB is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. GPNMB shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly metastatic cell lines. GPNMB may be involved in growth delay and reduction of metastatic potential. The protein encoded by this gene is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. GPNMB shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly metastatic cell lines. GPNMB may be involved in growth delay and reduction of metastatic potential. Two transcript variants encoding different isoforms have been found for this gene.</p> <p>Alias Symbols: HGFIN, NMB</p> <p>Protein Interaction Partner: UBC, SMAD4, ITSN2,</p> <p>Protein Size: 560</p> |
| Molecular Weight: | 60 kDa  |
| Gene ID:          | 10457   |
| NCBI Accession:   | <a href="#">NM_002510</a> , <a href="#">NP_002501</a>   |
| UniProt:          | <a href="#">Q14956</a>  |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment:           | Antigen size: 560 AA   |
| Restrictions:      | For Research Use only  |

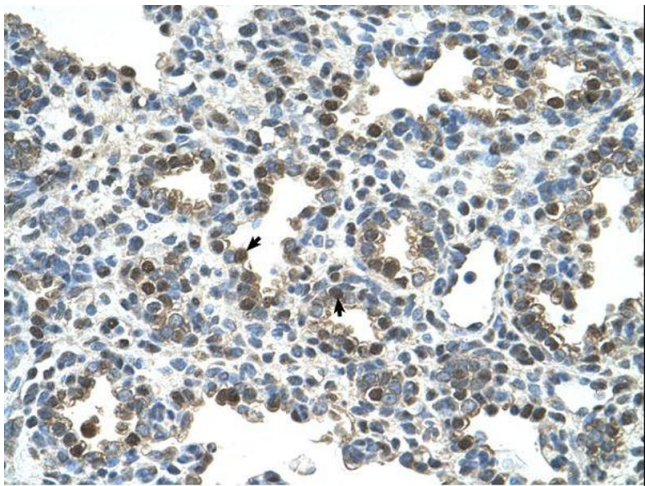
## Handling

|                    |   |
|--------------------|---|
| Format:            | Liquid  |
| Concentration:     | Lot specific  |
| Buffer:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative:      | Sodium azide  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which                       |

Handling

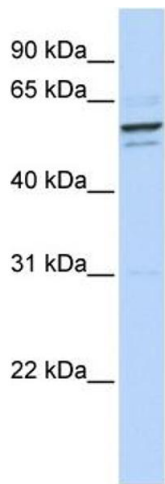
|                  |   |
|------------------|---|
|                  | should be handled by trained staff only.  |
| Handling Advice: | Avoid repeated freeze-thaw cycles.  |
| Storage:         | -20 °C  |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



Immunohistochemistry

Image 1.



Western Blotting

Image 2. WB Suggested Anti-GPNMB Antibody Titration: 1 ug/ml Positive Control: 293T cells lysate