

Datasheet for ABIN2781893  
**anti-Osteoactivin antibody (N-Term)**[Go to Product page](#)

## 4 Images

## Overview

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

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human GPNMB
Sequence:	DENDWNEKLY PVWKRGD MRW KNSWKGG RVQ AVL TSDSPAL VGSNITFAVN
Specificity:	100 % homologous to both isoforms of hGPNMB
Predicted Reactivity:	Cow: 100%, Dog: 79%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against GPNMB. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

## Target Details

Target:	Osteoactivin (GPNMB)
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: HGFN, NMB</p> <p>Protein Interaction Partner: UBC, SMAD4, ITSN2,</p> <p>Protein Size: 560</p>
Molecular Weight:	63 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

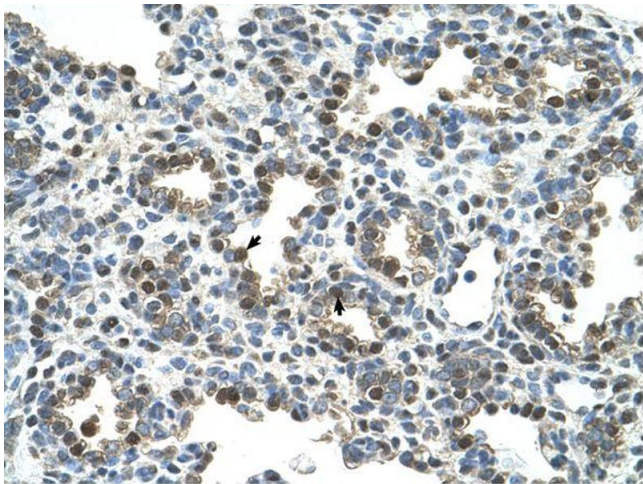
## Handling

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

## Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which 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.

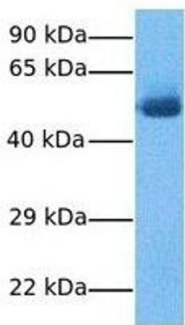
## Images



### Immunohistochemistry

**Image 1.**

### GPNMB



### Western Blotting

**Image 2.** Host: Rabbit Target Name: GPNMB Sample  
Tissue: Human Fetal Lung Antibody Dilution: 1.0ug/ml



**Western Blotting**

**Image 3.** WB Suggested Anti-GPNMB Antibody Titration: 1 ug/ml Positive Control: HepG2 cell lysate

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2781893.