

Datasheet for ABIN2781895
anti-Osteoactivin antibody (N-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	Osteoactivin (GPNMB)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Dog, Pig
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:	DGENGTGQSH HNVFPDGKPF PHHPGWRRWN FIYVFHTLGQ YFQKLGRCSV
Predicted Reactivity:	Cow: 100%, Dog: 86%, Guinea Pig: 87%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rat: 100%
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)
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Target Details

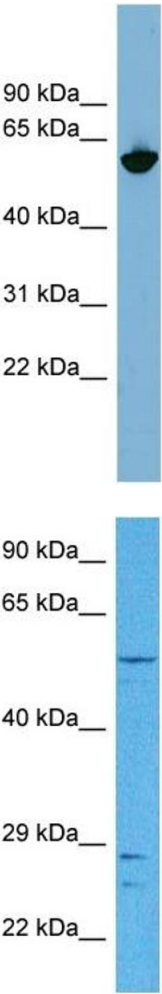
Alternative Name:	GPNMB (GPNMB Products)
Background:	<p>GPNMB is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. GPNMB shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly me</p> <p>Alias Symbols: HGFIN, NMB</p> <p>Protein Interaction Partner: UBC, SMAD4, ITSN2,</p> <p>Protein Size: 572</p>
Molecular Weight:	62 kDa
Gene ID:	10457
NCBI Accession:	NM_001005340 , NP_001005340
UniProt:	Q14956

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 572 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 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.



Western Blotting

Image 1. WB Suggested Anti-GPNMB Antibody Titration:
0.2-1 ug/ml Positive Control: PANC1 cell lysate

Western Blotting

Image 2. Host: Rabbit Target Name: GPNMB Sample
Tissue: Human MCF7 Whole Cell Antibody Dilution: 1ug/ml