



Order: (888)-282-5810 (Phone)
(818)-707-0392 (Fax)
order@abiocode.com
Web: www.Abiocode.com

MAN1a1 (vPair™) Antibodies

Cat#: R0953-vp

Lot#: Refer to vial

Predicted M.W.: 73 kDa

Uniprot ID: P33908

Application: WB

Quantity: 50 ul MAN1a1 (N1) (R0953-1) Rabbit Polyclonal Antibody &
50 ul MAN1a1 (N2) (R0953-2) Rabbit Polyclonal Antibody

Product Introduction:

vPair™ antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Abiocode to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody-based assays. The use of a pair of fully characterized vPair™ antibodies in the same assay can validate signal specificity since vPair™ antibodies recognize two independent epitopes of the same protein. Different sets of vPair™ antibodies are developed at Abiocode to work with specific applications, including antibody arrays, Western blot, IP-Western, CHIP, IHC, and FACS.

Background:

Mannosyl-oligosaccharide 1,2- α -mannosidase IA (MAN1A1) is a type II transmembrane protein that belongs to the glycosyl hydrolase 47 family. It is involved in the maturation of Asn-linked oligosaccharides. MAN1A1 catalyzes the hydrolysis of the terminal (1- \rightarrow 2)-linked α -D-mannose residues in the oligo-mannose oligosaccharide Man(9)-GlcNAc(2). It progressively trims α -1,2-linked mannose residues from Man(9)GlcNAc(2) to produce Man(5)GlcNAc(2).

Other Names:

Mannosyl-oligosaccharide 1,2- α -mannosidase IA, Man(9)- α -mannosidase, Man9-mannosidase, Mannosidase alpha class 1A member 1, Processing α -1,2-mannosidase IA, α -1,2-mannosidase IA

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing two distinct N-terminal regions [MAN1a1 (N1) (R0953-1); MAN1a1 (N2) (R0953-2)] of human MAN1a1. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human

Tested Applications:

WB: 1:500-1:1,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

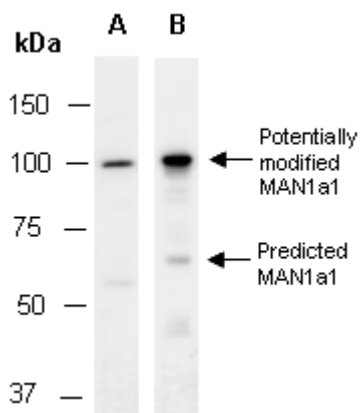


Fig 1. Western blot of total cell extracts from human A431, using (A) Ab (R0953-1), (B) Ab (R0953-2) at RT for 2 h.