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EXT1 (vPair™) Antibodies

Cat#: R2711-vp

Lot#: Refer to vial

Predicted | Observed M.W.: 86 kDa

Uniprot ID: Q16394

Application: WB

Quantity: 50 ul EXT1 (N) (R2711-1) Rabbit Polyclonal Antibody &

50 ul EXT1 (C) (R2711-2) 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:

Exostosin-1 (EXT1) is an endoplasmic reticulum-resident type II transmembrane glycosyltransferase involved in the chain elongation step of heparan sulfate biosynthesis. EXT1 forms a homo/hetero-oligomeric complex with EXT2. The EXT1/EXT2 complex possesses substantially higher glycosyltransferase activity than EXT1 or EXT2 alone. EXT1 appears to be a tumor suppressor. Mutations in the EXT1 gene cause the type I form of multiple exostoses.

Other Names:

Exostosin-1, Glucuronosyl-N-acetylglucosaminyl-proteoglycan/N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase, Multiple exostoses protein 1, Putative tumor suppressor protein EXT1, LGCR, LGS, ttv

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [EXT1 (N) (R2711-1)] or the C-terminal [EXT1 (C) (R2711-1)] region of human EXT1. Antibodies were purified by affinity purification using immunogen.

Species Specificity:

Human

**For research use only. Not for therapeutic or diagnostic purposes.
Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301**

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.

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

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

Product Data:

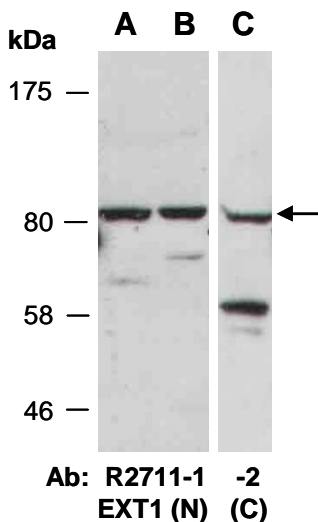


Fig 1. Western blot of total cell extracts from (A) human HeLa, (B, C) human Jurkat; using 2 independent Abs against 2 distinct regions of human EXT1 at RT for 2 h.