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DAND5 (M2) Antibody, Rabbit Polyclonal

Cat#: R3225-3

Quantity: 100 ul

Predicted | Observed M.W.: 20 | 28 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q76LW6

Background:

DAN domain family member 5 (DAND5) is a member of the BMP (bone morphogenic protein) antagonist family and the CAN (cerberus and dan) subfamily, characterized by a C-terminal cystine knot with an eight-membered ring. Like BMPs, BMP antagonists contain cystine knots and typically form homo- and heterodimers. The antagonistic effect of DAND5 is likely due to its direct binding to BMP proteins. DAND5 may play a role in regulating organogenesis, body patterning, and tissue differentiation. In mouse, DAND5 has been shown to bind Nodal and to inhibit the Nodal signaling pathway which patterns left/right body asymmetry.

Other Names:

DAN domain family member 5, Cerberus-like protein 2, Cerl-2, Cerl2, Sp1

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the middle region of mouse DAND5. 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:

Mouse

Tested Applications:

WB: 1:500-1:2,000 (detect endogenous protein*)

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

Product Data:

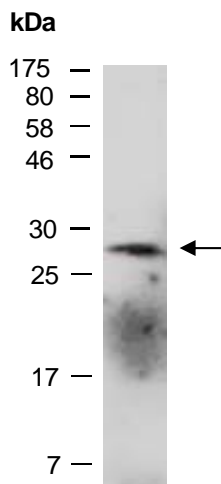


Fig 1. Western blot of total cell extracts from mouse brain; using anti-DAND5 (M2) (R3225-3) at RT for 2 h.