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ZNF423 (N) Antibody, Rabbit Polyclonal

Cat#: R3274-1

Quantity: 100 ul

Predicted | Observed M.W.: 145 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q2M1K9

Background:

Zinc finger protein 423 (ZNF423) is a transcription factor that can both act as an activator or a repressor depending on the context. ZNF423 plays a central role in BMP signaling and olfactory neurogenesis. ZNF423 associates with SMADs in response to BMP2 leading to transcriptional activation of BMP target genes. ZNF423 acts as a transcriptional repressor via its interaction with EBF1, a transcription factor involved in terminal olfactory receptor neurons differentiation; this interaction preventing EBF1 to bind DNA and activate olfactory-specific genes. ZNF423 is also involved in olfactory neurogenesis by participating in a developmental switch that regulates the transition from differentiation to maturation in olfactory receptor neurons. In addition, ZNF423 controls proliferation and differentiation of neural precursors in cerebellar vermis formation.

Other Names:

Zinc finger protein 423, Olf1/EBF-associated zinc finger protein, hOAZ, Smad- and Olf-interacting zinc finger protein, KIAA0760, NPHP14, OAZ

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing N-terminal region of human ZNF423. 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, Mouse

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:

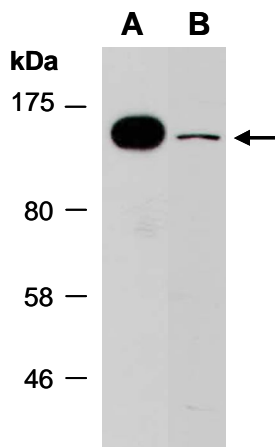


Fig 1. Western blot of total cell extracts from A) mouse brain, B) human HeLa; using anti-ZNF423 (N) (R3274-1) at RT for 2 h.