

For Research Use Only

# ZC4H2 Polyclonal antibody

Catalog Number: 20526-1-AP



## Basic Information

|   |  |  |
|---|--|--|
| <b>Catalog Number:</b><br>20526-1-AP        | <b>GenBank Accession Number:</b><br>BC004411             | <b>Purification Method:</b><br>Antigen affinity purification |
| <b>Source:</b><br>Rabbit                    | <b>GeneID (NCBI):</b><br>55906                           | <b>Recommended Dilutions:</b><br>WB: 1:500-1:3000            |
| <b>Isotype:</b><br>IgG                      | <b>UNIPROT ID:</b><br>Q9NQZ6                             |  |
| <b>Immunogen Catalog Number:</b><br>AG14388 | <b>Full Name:</b><br>zinc finger, C4H2 domain containing |  |
|   | <b>Calculated MW:</b><br>224 aa, 26 kDa                  |  |
|   | <b>Observed MW:</b><br>26 kDa                            |  |

## Applications

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|--|--|
| <b>Tested Applications:</b><br>WB, ELISA         | <b>Positive Controls:</b><br>WB : mouse liver tissue, rat liver tissue |
| <b>Species Specificity:</b><br>human, mouse, rat |  |

## Background Information

ZC4H2 is located on the X chromosome, which encodes a C4H2 type zinc-finger nuclear factor. Mutations in ZC4H2 have been reported to be associated with various disorders, including arthrogryposis multiplex congenita (AMC), X-linked intellectual disability, Wieacker-Wolff syndrome, and Miles-Carpenter syndrome. Since ZC4H2 is located on the X-chromosome, the disorder is usually severe or even lethal in males. Mechanistically, ZC4H2 has been shown mostly to work as a stabilizing co-factor of the ubiquitin E3 ligase RNF220. RNF220 and ZC4H2 cooperate to pattern the embryonic ventral neural tube through regulation of Shh/Gli signaling as well as the stability of key transcription factors (Dbx1/2 and Nkx2.2). (PMID: 31336385, PMID: 39336725)

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:

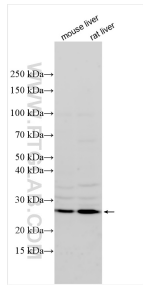
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20526-1-AP (ZC4H2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.