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ZC4H2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10760b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9NQZ6
Other Accession	Q68FG0, NP_061154.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28102
Calculated MW	26244
Antigen Region	196-224

Additional Information

Gene ID	55906
Other Names	Zinc finger C4H2 domain-containing protein, Hepatocellular carcinoma-associated antigen 127, ZC4H2, HCA127, KIAA1166
Target/Specificity	This ZC4H2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 196-224 amino acids from the C-terminal region of human ZC4H2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ZC4H2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZC4H2
Synonyms	HCA127, KIAA1166

Function	Involved in the development of several major noradrenergic neuron populations, including the locus coeruleus (PubMed:26056227). Involved in neuronal development and in neuromuscular junction formation. Binds Zn(2+) ion with high affinity (PubMed:40867536). The RNF220/ZC4H2 complex monoubiquitinates PHOX2A and PHOX2B to enhance their DNA-binding ability and transactivity (By similarity).
Cellular Location	Cytoplasm. Nucleus Postsynaptic cell membrane. Note=Upon transfection into mouse primary hippocampal neurons, localizes at excitatory, but not inhibitory, postsynaptic sites
Tissue Location	Expressed in fetal tissues, including in brain, intestine, lung, kidney and muscle (PubMed:23623388). Isoform 1 is expressed in numerous fetal brain regions. Isoform 3 is highly expressed in numerous fetal brain regions and spinal cord (PubMed:26056227).

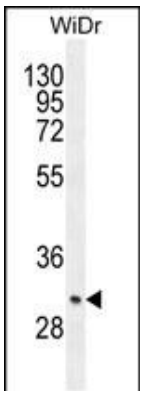
Background

This protein contains a C4H2-type zinc finger and is thought to be involved in zinc ion binding. There are 3 isoforms produced by alternative splicing.

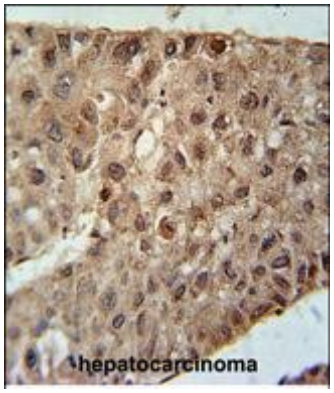
References

Wu, C., et al. Proteomics 7(11):1775-1785(2007)
Ross, M.T., et al. Nature 434(7031):325-337(2005)
Wang, Y., et al. J. Immunol. 169(2):1102-1109(2002)

Images

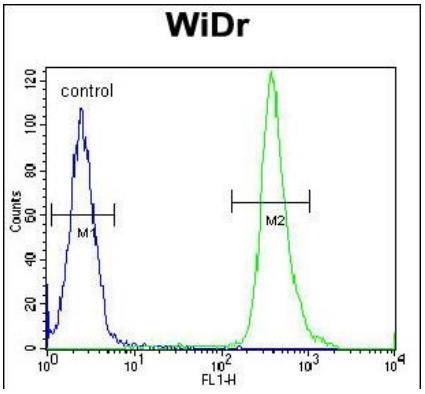


ZC4H2 Antibody (C-term) (Cat. #AP10760b) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the ZC4H2 antibody detected the ZC4H2 protein (arrow).



ZC4H2 Antibody (C-term) (Cat. #AP10760b) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ZC4H2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ZC4H2 Antibody (C-term) (Cat. #AP10760b) flow cytometric analysis of WiDr cells (right histogram)



compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.