



ZNF74, Zinc finger protein 74 polyclonal antibody

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Box 1 | Basic Info

Cat. No.	ABP-PAB-01460
Animal ID	RC40104
Host	Chicken
Reactivity	Human
Format	Purified
Accession number	NM_003426
Amount	100 µg

Alternative Name(s):

Cos52

The zinc finger protein 74 (ZNF74) has twelve zinc finger motifs and belongs to the transcription factor IIIA/Kruppel family and is developmentally expressed and commonly deleted in DiGeorge syndrome. DiGeorge syndrome is a human developmental disorder resulting in hypoplasia of the thymus and parathyroids, and conotruncal heart defects. ZNF74 binds specifically to poly(U) and poly(G) RNA homopolymers mediated by the zinc finger domain. The restricted binding to these homopolymers and not to poly(A) and poly(C) suggests that ZNF74 displays RNA sequence preferences.

Buffers

Purified chicken polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

Immunogen

Partial protein comprised of amino acids 123 - 249 of the human zinc finger protein 74 (ZNF74) protein.

Application

Tested by peptide-specific ELISA (1:1,000).

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.

References:

1. Ravassard P, Cote F, Grondin B, Bazinet M, Mallet J, Aubry M: ZNF74, a gene deleted in DiGeorge syndrome, is expressed in human neural crest-derived tissues and foregut endoderm epithelia. *Genomics* 62(1): 82-85 (1999).
2. Grondin B, Bazinet M, Aubry M: The KRAB zinc finger gene ZNF74 encodes an RNA-binding protein tightly associated with the nuclear matrix. *J. Biol. Chem* 271(26): 15458-15467 (1996).
3. Aubry M, Demczuk S, Desmaze C, Aikem M, Aurias A, Julien JP, Rouleau GA: Isolation of a zinc finger gene consistently deleted in DiGeorge syndrome. *Hum. Mol. Genet.* 2(10): 1583-1587 (1993).