

# Anti-Human ZNF75A, monoclonal (clone R1014.1.1B6)

Recommended name: Zinc finger protein 75A



Cat. No. m15-003  
Lot. No. 20150819.IJVR

Quantity: 100 µg  
Storage: -20 °C

FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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## UniProt / NCBI Summary

### UniProt

Primary Accession # [Q96N20](#)  
Secondary Accession # [Q0VDI8](#); [Q92669](#)

### NCBI

GI # [692314702](#)  
GeneID [7627](#)  
Accession # [NP\\_001289038.1](#)  
GenBank Nucleotide # [NM\\_001302109.1](#)

Molecular Weight 34,694 Da (296 aa)

May be involved in transcriptional regulation. Belongs to the krueppel C2H2-type zincfinger protein family. Contains 5 C2H2-type zinc fingers. Contains 1 KRAB domain.

Subcellular location: nucleus

### General Reference:

Villa A, Strina D, Frattini A, Faranda S, Macchi P, Finelli P, Bozzi F, Susani L, Archidiacono N, Rocchi M, Vezzone P (1996) The ZNF75 zinc finger gene subfamily: isolation and mapping of the four members in humans and great apes. *Genomics* 35:312-20. [[PubMed](#)]

## Physical Characteristics

Quantity: 100 µg

Concentration: 1.0 mg/ml

Host / Isotype: mouse IgG1

Clonality: monoclonal; ID R1014.1.1B6

Immunogen: recombinant protein corresponding to aa residues 59-190 of human ZNF75A

Purification: affinity-chromatography using Protein G

Formulation: 30% glycerol, 1x PBS, 0.02% sodium azide

Specificity: monospecific for human ZNF75A; see microarray analysis below

Reactivity: human

Stability/Storage: 12 months long term: -20 °C; short term: 4 °C; avoid freeze-thaw cycles; aliquot as required

Handling Notes: small volumes of antibody may occasionally become entrapped in the seal of the product vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container cap.

## Tested Research Applications

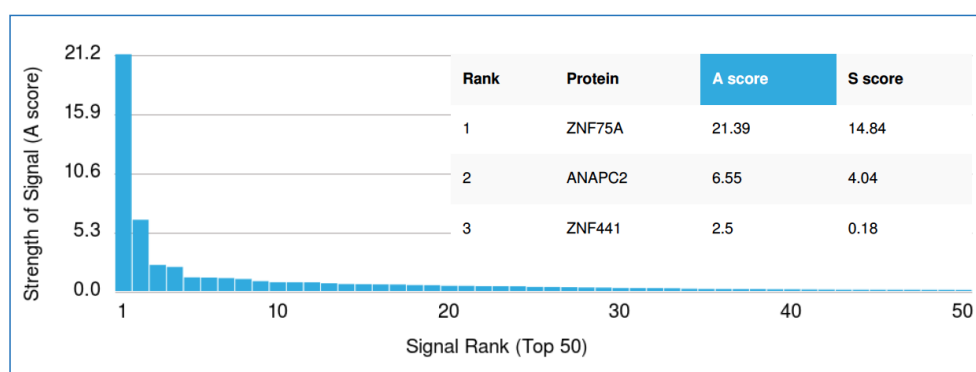
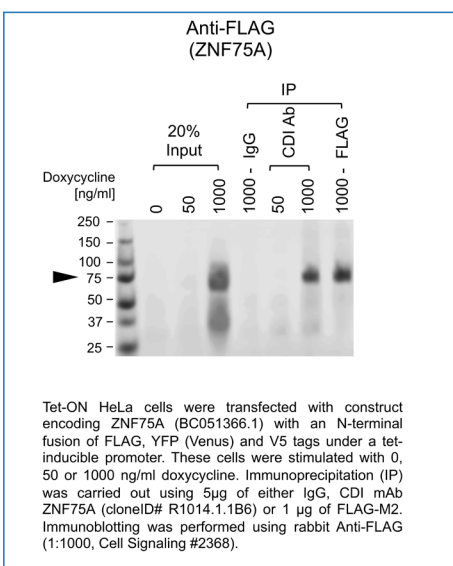
Immunoprecipitation: recommended; see below.

ChIP-Seq: recommended; see page 2

Western Blot: tested on cells transfected with a construct encoding ZNF75A; utility on native cells under evaluation

Octet: Recommended.

## Quality Assurance



**Specificity Analysis with HuProt™ Human Proteome Microarray:** Anti Human ZNF75A (clone R1014.1.1B6) was analyzed using the CDI HuProt™ Human Proteome Microarray.

For more information on A/S scores and how they relate to specificity, see page 2.

# Anti-Human ZNF75A, monoclonal (clone R1014.1.1B6)

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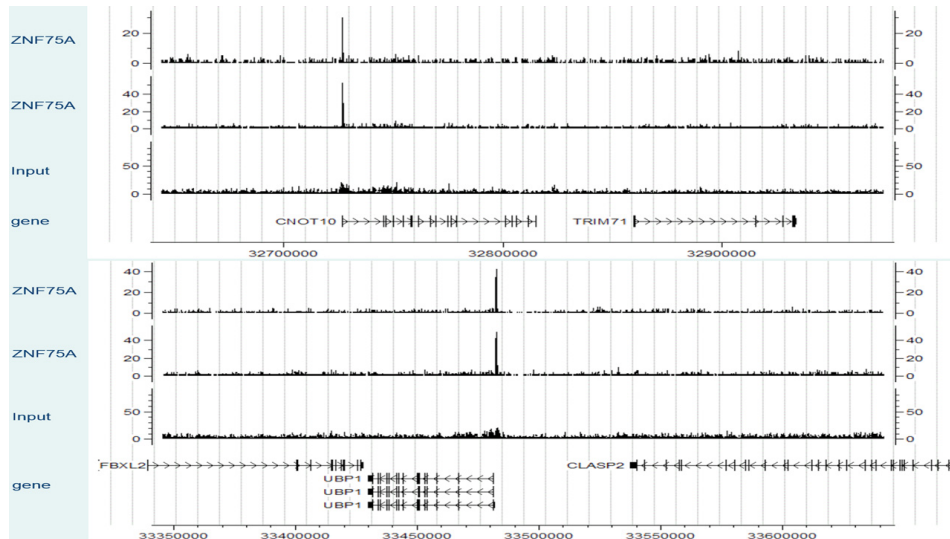
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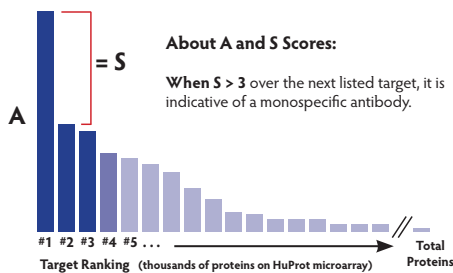
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## Tested Research Applications

ChIP-Seq: Recommended



The ChIP was performed with chromatin from 10 million MCF7 (top panel) and K562 (middle panel) cells and 3 µg of Anti-ZNF75A (cloneID # R1014.1.1B6) antibody. The ChIP DNA was sequenced on an Illumina HiSeq platform and read counts were calculated at consecutive 100 bp bins across the human genome hg19. Normalized read-count levels for ChIP-seq of ZNF75A (R1014.1.1B6) and control (Input) around the CNOT10 and UB1 loci are displayed in the CisGenome browser.



**Statistical Analysis:** Thousands of GenePix data points (from the microarray) are analyzed in terms of signal strength and ranked accordingly.

**SUMMARY:** The A-score indicates the number of standard deviations above background seen for the mean signal bound by the target antigen. The S-score represents the difference between the A-score of the target antigen and the next best hit on the array. S-scores **greater than 3 standard deviations over the next listed target** are deemed statistically significant and indicate **highly specific antibodies**. More info at [cdi-lab.com/HighSpec.html](http://cdi-lab.com/HighSpec.html)

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