

## ARG65094 anti-CEP290 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes CEP290
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P
Specificity	Despite similarity of the immunizing peptide with the mouse protein, this antibody was demonstrated to weak for mouse Cep290.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CEP290
Species	Human
Immunogen	C-RNSKHLKQQYRAEN
Conjugation	Un-conjugated
Alternate Names	NPHP6; rd16; Bardet-Biedl syndrome 14 protein; JBTS5; Tumor antigen se2-2; POC3; SLSN6; Nephrocystin-6; LCA10; BBS14; Centrosomal protein of 290 kDa; Cancer/testis antigen 87; Cep290; 3H11Ag; CT87; MKS4

### Application Instructions

Application table	Application	Dilution
	ICC/IF	2 - 3 µg/ml
	IHC-P	5 µg/ml
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

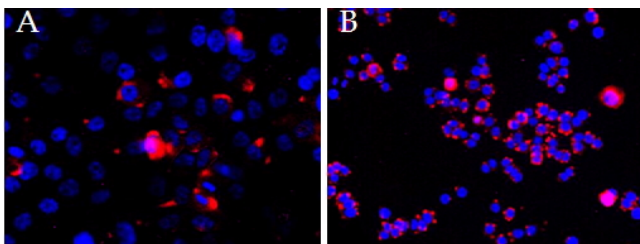
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

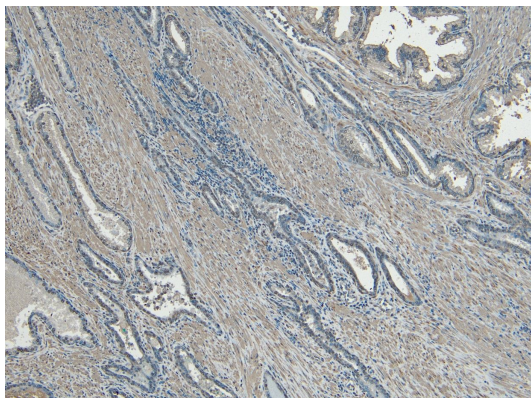
Database links	<a href="#">GeneID: 80184 Human</a> <a href="#">Swiss-port # O15078 Human</a>
Background	This gene encodes a protein with 13 putative coiled-coil domains, a region with homology to SMC chromosome segregation ATPases, six KID motifs, three tropomyosin homology domains and an ATP/GTP binding site motif A. The protein is localized to the centrosome and cilia and has sites for N-glycosylation, tyrosine sulfation, phosphorylation, N-myristoylation, and amidation. Mutations in this gene have been associated with Joubert syndrome and nephronophthisis and the presence of antibodies against this protein is associated with several forms of cancer. [provided by RefSeq, Jul 2008]
Research Area	Gene Regulation antibody; Neuroscience antibody
Calculated Mw	290 kDa
PTM	Ubiquitinated. May undergo monoubiquitination; monoubiquitination is inhibited in response to cellular stress, such as ultraviolet light (UV) radiation or heat shock, but does not cause its displacement from centriolar satellites.

## Images



ARG65094 anti-CEP290 antibody ICC/IF image

Immunofluorescence: OPCT-1 (A) and MDA468 (B) cells stained with ARG65094 anti-CEP290 antibody (red) at 2.5 µg/ml dilution, overnight. DAPI (blue) for nuclear staining.



ARG65094 anti-CEP290 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostate tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). The tissue section was stained with ARG65094 anti-CEP290 antibody at 5 µg/ml dilution followed by HRP-staining.