



# Human CEP290 blocking peptide (CDBP0770)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-CEP290/NPHP6 antibody
<b>Antigen Description</b>	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.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CEP290 centrosomal protein 290kDa [ Homo sapiens ]</a>
<b>Official Symbol</b>	CEP290
<b>Synonyms</b>	CEP290; centrosomal protein 290kDa; centrosomal protein of 290 kDa; 3H11Ag; BBS14;

cancer/testis antigen 87; CT87; FLJ13615; JBTS5; Joubert syndrome 5; KIAA0373; LCA10; Meckel syndrome; type 4; MKS4; nephrocystin 6; NPHP6; POC3; POC3 centriolar protein homolog (Chlamydomonas); rd16; SLSN6; nephrocystin-6; tumor antigen se2-2; Meckel syndrome, type 4; CTCL tumor antigen se2-2; prostate cancer antigen T21; POC3 centriolar protein homolog; Bardet-Biedl syndrome 14 protein; monoclonal 3H11 antigen; FLJ21979;

<b>Entrez Gene ID</b>	<a href="#">80184</a>
<b>mRNA Refseq</b>	<a href="#">NM_025114</a>
<b>Protein Refseq</b>	<a href="#">NP_079390</a>
<b>UniProt ID</b>	O15078
<b>Chromosome Location</b>	12q21.33
<b>Pathway</b>	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem; Loss of proteins required for interphase microtubule organization??from the centrosome, organism-specific biosystem; Mitotic G2-G2/M phases, organism-specific biosystem;
<b>Function</b>	NOT microtubule minus-end binding; protein binding;