



Human CEP290 blocking peptide (CDBP0770)

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

PRODUCT INFORMATION

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

GENE INFORMATION

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| Gene Name | CEP290 centrosomal protein 290kDa [Homo sapiens] |
| Official Symbol | CEP290 |
| Synonyms | 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;

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| Entrez Gene ID | 80184 |
| mRNA Refseq | NM_025114 |
| Protein Refseq | NP_079390 |
| UniProt ID | O15078 |
| Chromosome Location | 12q21.33 |
| Pathway | 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; |
| Function | NOT microtubule minus-end binding; protein binding; |