



# Anti-CEP290 monoclonal antibody (DCABH-10986)

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

## PRODUCT INFORMATION

**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.

**Immunogen** A synthetic peptide of human CEP290 is used for rabbit immunization.

**Isotype** IgG

**Source/Host** Rabbit

**Species Reactivity** Human

**Purification** Protein A

**Conjugate** Unconjugated

**Applications** Western Blot (Transfected lysate); ELISA

**Size** 1 ea

**Buffer** In 1x PBS, pH 7.4

**Preservative** None

**Storage** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**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; nephrocytin-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>Protein Refseq</b>	<a href="#">NP_079390</a>
<b>UniProt ID</b>	<a href="#">O15078</a>
<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;