

CEP290 Rabbit pAb

Catalog No.: A16147

Basic Information

Observed MW

290kDa

Calculated MW

290kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human

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.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

80184

Swiss Prot

O15078

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 950-1050 of human CEP290 (NP_079390.3).

Synonyms

CT87; MKS4; POC3; rd16; BBS14; JBTS5; LCA10; NPHP6; SLSN6; 3H11Ag; CEP290

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

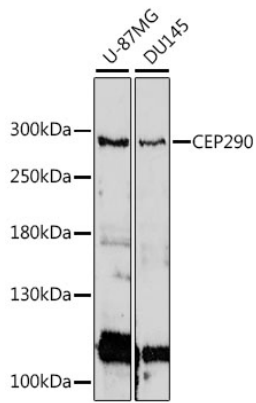
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates using CEP290 Rabbit pAb (A16147) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.