



# CEP290 rabbit pAb

Cat No.:ES1950

For research use only

## Overview

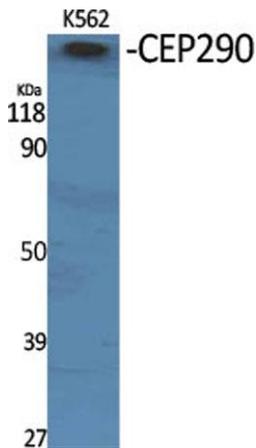
<b>Product Name</b>	CEP290 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CEP290. AA range:771-820
<b>Specificity</b>	CEP290 Polyclonal Antibody detects endogenous levels of CEP290 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Centrosomal protein of 290 kDa
<b>Gene Name</b>	CEP290
<b>Cellular localization</b>	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite . Nucleus . Cell projection, cilium . Cytoplasm, cytoskeleton, cilium basal body . Cytoplasm, cyt
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	290kD
<b>Human Gene ID</b>	80184
<b>Human Swiss-Prot Number</b>	O15078
<b>Alternative Names</b>	CEP290; BBS14; KIAA0373; NPHP6; Centrosomal protein of 290 kDa; Cep290; Bardet-Biedl syndrome 14 protein; Cancer/testis antigen 87; CT87;



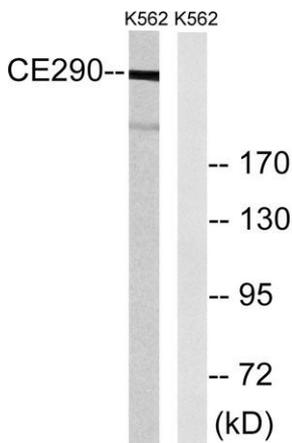


## Background

Nephrocystin-6; Tumor antigen se2-2 centrosomal protein 290(CEP290) Homo sapiens  
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],



Western Blot analysis of various cells using CEP290 Polyclonal Antibody



Western blot analysis of lysates from K562 cells, using CEP290 Antibody. The lane on the right is blocked with the synthesized peptide.

