

Rabbit anti-Human CEP290 Polyclonal Antibody | anti-CEP290 antibody

CEP290 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231661	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

CEP290; Polyclonal Antibody; CEP290 Antibody; Centrosomal protein of 290 kDaCep290; Bardet-Biedl syndrome 14 protein; Cancer/testis antigen 87; CT87; Nephrocystin-6; Tumor antigen se2-2; BBS14; KIAA0373; NPHP6; anti-CEP290 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	2479
Applicable Applications for anti-CEP290 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Species	Human
Immunogen	Recombinant human Centrosomal protein of 290 kDa protein
Conjugate	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-70030 / sc-70031 / sc-292138
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



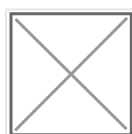
IHC (Immunohistochemisry)

Immunofluorescent analysis of HeLa cells using AAA231661 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human placenta tissue using AAA231661 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human ovarian cancer using AAA231661 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-CEP290 antibody	Involved in early and late steps in cilia formation. Its association with CCP110 is required for inhibition of primary cilia formation by CCP110 (PubMed:18694559). May play a role in early ciliogenesis in the disappearance of centriolar satellites and in the transition of primary ciliar vesicles (PCVs) to capped ciliary vesicles (CCVs). Required for the centrosomal recruitment of RAB8A and for the targeting of centriole satellite proteins to centrosomes such as of PCM1 (PubMed:24421332). In the ciliary transition zone is part of the tectonic-like complex which is required for tissue-specific ciliogenesis and may regulate ciliary membrane composition (By similarity). Involved in regulation of the BBSome complex integrity, specifically for presence of BBS2, BBS5 and BBS8/TTC8 in the complex, and in ciliary targeting of selected BBSome cargos. May act as a gatekeeper to control entry of the BBSome complex to cilia (PubMed:25552655). Required for the correct localization of ciliary and phototransduction proteins in retinal photoreceptor cells; may play a role in ciliary transport processes (By similarity). Activates ATF4-mediated transcription (PubMed:16682973).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	109255234
NCBI GeneID	80184
NCBI Accession #	NP_079390.3
NCBI GenBank Nucleotide #	NM_025114.3
UniProt Accession #	O15078; Q1PSK5; Q66GS8; Q9H2G6; Q9H6Q7; Q9H8I0
Molecular Weight	180,067 Da
NCBI Official Full Name	centrosomal protein of 290 kDa
NCBI Official Synonym Full Names	centrosomal protein 290
NCBI Official Symbol	CEP290
NCBI Official Synonym Symbols	CT87; MKS4; POC3; rd16; BBS14; JBTS5; LCA10; NPHP6; SLSN6; 3H11Ag
NCBI Protein Information	centrosomal protein of 290 kDa
UniProt Protein Name	Centrosomal protein of 290 kDa
UniProt Gene Name	CEP290
UniProt Synonym Gene Names	BBS14; KIAA0373; NPHP6; Cep290; CT87
UniProt Entry Name	CE290_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cep290-antibody-immunofluorescence-immunohistochemistry-elisa/231661>