

Rabbit anti-Human Centrin-2 Polyclonal Antibody | anti-CETN2 antibody

Rabbit anti-human Centrin-2 polyclonal Antibody(CETN2)

CATALOG # AAA118370	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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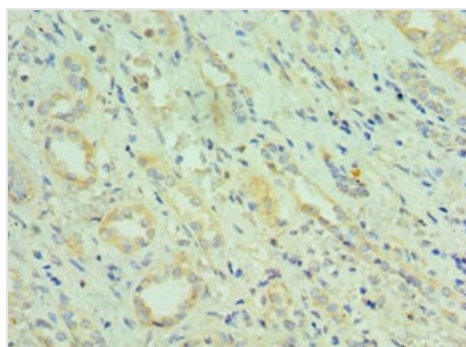
PRODUCT SYNONYMS

Centrin-2; Polyclonal Antibody; Rabbit anti-human Centrin-2 polyclonal Antibody(CETN2); Caltractin isoform 1; CETN2; CALT; CEN2; anti-CETN2 antibody

PRODUCT SPECIFICATIONS

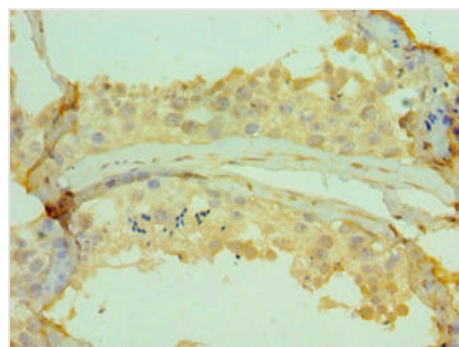
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	172
Applicable Applications for anti-CETN2 antibody	IHC (Immunohistochemistry), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Centrin-2 protein (1-172aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-27794
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 (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using AAA118370 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testicle using AAA118370 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-CETN2 antibody	Plays a fundamental role in microtubule organizing center structure and function. Required for centriole duplication and correct spindle formation. Has a role in regulating cytokinesis and genome stability via cooperation with CALM1 and CCP110. Involved in global genome nucleotide excision repair (GG-NER) by acting as component of the XPC complex. Cooperatively with RAD23B appears to stabilize XPC. In vitro, stimulates DNA binding of the XPC:RAD23B dimer. The XPC complex is proposed to represent the first factor bound at the sites of DNA damage and together with other core recognition factors, XPA, RPA and the TFIIH complex, is part of the pre-incision (or initial recognition) complex. The XPC complex recognizes a wide spectrum of damaged DNA characterized by distortions of the DNA helix such as single-stranded loops, mismatched bubbles or single-stranded overhangs. The orientation of XPC complex binding appears to be crucial for inducing a productive NER. XPC complex is proposed to recognize and to interact with unpaired bases on the undamaged DNA strand which is followed by recruitment of the TFIIH complex and subsequent scanning for lesions in the opposite strand in a 5'-to-3' direction by the NER machinery. Cyclobutane pyrimidine dimers (CPDs) which are formed upon UV-induced DNA damage escape detection by the XPC complex due to a low degree of structural perturbation. Instead they are detected by the UV-DDB complex which in turn recruits and cooperates with the XPC complex in the respective DNA repair. Component of the TREX-2 complex (transcription and export complex 2), composed of at least ENY2, GANP, PCID2, DSS1, and either centrin CETN2 or CETN3 (PubMed:22307388). The TREX-2 complex functions in docking export-competent ribonucleoprotein particles (mRNPs) to the nuclear entrance of the nuclear pore complex (nuclear basket). TREX-2 participates in mRNA export and accurate chromatin positioning in the nucleus by tethering genes to the nuclear periphery.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4757902
NCBI GeneID	1069
NCBI Accession #	NP_004335.1
NCBI GenBank Nucleotide #	NM_004344.1
UniProt Accession #	P41208; Q53XW1; B2R4T4
Molecular Weight	19,738 Da
NCBI Official Full Name	centrin-2
NCBI Official Synonym Full Names	centrin 2
NCBI Official Symbol	CETN2
NCBI Official Synonym Symbols	CALT; CEN2
NCBI Protein Information	centrin-2
UniProt Protein Name	Centrin-2
UniProt Gene Name	CETN2
UniProt Synonym Gene Names	CALT; CEN2
UniProt Entry Name	CETN2_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/centrin-2-antibody-immunohistochemistry-elisa/118370>