

Anti-CETN2 / Centrin 2 Antibody (aa1-172)

Rabbit Anti Human Polyclonal Antibody Catalog # ALS18521

Specification

Anti-CETN2 / Centrin 2 Antibody (aa1-172) - Product Information

Application IHC-P, E
Primary Accession P41208
Predicted Human
Host Rabbit
Clonality Polyclonal
Isotype IgG

Calculated MW 19738

Anti-CETN2 / Centrin 2 Antibody (aa1-172) - Additional Information

Gene ID 1069

Alias Symbol CETN2

Other Names

CETN2, Caltractin isoform 1, Centrin-2, CALT, Caltractin, isoform 1, Centrin, EF-hand protein, 2, CEN2, Centrin 2

Target/Specificity

Human CETN2 / Centrin 2

Reconstitution & Storage

Caprylic acid and ammonium sulfate precipitation

Precautions

Anti-CETN2 / Centrin 2 Antibody (aa1-172) is for research use only and not for use in diagnostic or therapeutic procedures.

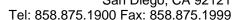
Anti-CETN2 / Centrin 2 Antibody (aa1-172) - Protein Information

Name CETN2

Synonyms CALT, CEN2

Function

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. 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 esacpe detection by the XPC complex due to a low degree of structural perurbation. Instead they are detected by the UV-DDB complex which in turn recruits and cooperates with the XPC complex in the respective DNA repair.

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Nucleus envelope. Nucleus, nuclear pore complex. Nucleus

Anti-CETN2 / Centrin 2 Antibody (aa1-172) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-CETN2 / Centrin 2 Antibody (aa1-172) - Images