OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AP42064PU-N Polyclonal Antibody to CHAMP1 / ZNF828 - Aff - Purified

Alternate names: C13orf8, CAMP, Chromosome alignment-maintaining phosphoprotein 1, KIAA1802

Quantity: 0.1 mg

Background: CHAMP1 is required for proper alignment of chromosomes at metaphase and their accurate segregation during mitosis. Involved in the maintenance of spindle microtubules attachment to the kinetochore during sister chromatid biorientation. It may recruit CENPE and CENPF to the kinetochore. CHAMP1 is phosphorylated by CDK1. Mitotic phosphorylation is required for the attachment of spindle microtubules to the kinetochore.

Uniprot ID: Q96JM3

NCBI: NP_115812

GeneID: 283489

Host: Rabbit

Immunogen: The immunogen for anti-CHAMP1 antibody: synthetic peptide directed towards the middle region of human CHAMP1.
AA Sequence:
PAASPESRKSARTTSPEPRKPSPSESPEPWKPFPAVSPEPRRPAPAVSPG

Format: **State:** Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification: Purified on Protein A affinity column

Applications: Western blotting (0.5 - 2 µg/ml)
Immunohistochemsitry on paraffin embedded sections (2 - 8 µg/ml)
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

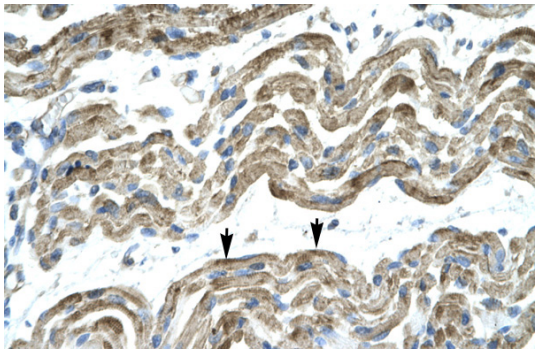
Species Reactivity: **Tested:** Human
Expected from sequence similarity: Mouse, Rat

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: Ota,T., et al., (2004) Nat. Genet. 36 (1), 40-45

Pictures:

Human Muscle; HumanMuscle; C13ORF8 antibody - middle region (AP42064PU-N) in Human Muscle cells using Immunohistochemistry



Human Daudi; WB Suggested Anti-C13ORF8 Antibody Titration: 1.0ug/ml. ELISA Titer: 1:62500. Positive Control: Daudi cell lysate. APOBEC3G is strongly supported by BioGPS gene expression data to be expressed in Human Daudi cells.; C13ORF8 antibody - middle region (AP42064PU-N) in Human Daudi cells using Western Blot