

Rabbit anti-Human CAP-D3 Polyclonal Antibody | anti-CAP-D3 antibody

Rabbit anti-CAP-D3 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211047	Rabbit	Human	Immunoprecipitation, Western Blot

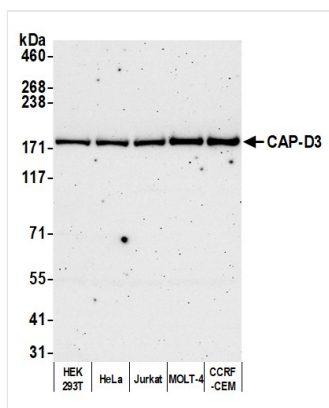
PRODUCT SYNONYMS

CAP-D3; Polyclonal Antibody; Rabbit anti-CAP-D3 Antibody; Affinity Purified; hcp-6; Non-SMC condensin II complex subunit D3; MCPH22; hHCP-6; hCAP-D3; condensin-2 complex subunit D3; CAPD3; Condensin-2 complex subunit D3; non-SMC condensin II complex subunit D3; anti-CAP-D3 antibody

PRODUCT SPECIFICATIONS

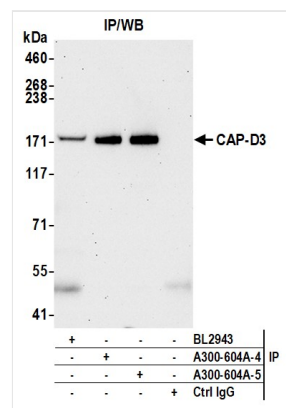
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-CAP-D3 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1448 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human CAP-D3 by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, HeLa, Jurkat, MOLT-4, and CCRF-CEM cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CAP-D3 antibody (AAA211047 lot 5) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human CAP-D3 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 5% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-CAP-D3 antibody (AAA211047 lot 5) used for IP at 6 ug per reaction. CAP-D3 was also immunoprecipitated by a previous lot of this antibody (AAA211047 lot 4) and a second antibody against a different epitope of CAP-D3 (BL2943). For blotting immunoprecipitated CAP-D3, AAA211047 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-CAP-D3 antibody	CAP-D3 is a subunit of the heteropentameric condensin II complex. Condensin participates in the condensation of chromosomes during cell division by facilitating positive DNA supercoiling and knotting by topoisomerase I and II, and aids in the proper segregation of sister chromatids. In the condensin II complex CAP-D3 is regulated by protein phosphatase 2A (PP2A) and may participate in centromere resolution.
Product Categories/Family for anti-CAP-D3 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	45356151
NCBI GeneID	23310
NCBI Accession #	NP_056076.1
NCBI GenBank Nucleotide #	NM_015261.2
UniProt Accession #	P42695; Q4KMQ9; A6NFS2
Molecular Weight	168,891 Da
NCBI Official Full Name	condensin-2 complex subunit D3
NCBI Official Synonym Full Names	non-SMC condensin II complex, subunit D3
NCBI Official Symbol	NCAPD3
NCBI Official Synonym Symbols	CAPD3; hcp-6; CAP-D3; hHCP-6; hCAP-D3
NCBI Protein Information	condensin-2 complex subunit D3
UniProt Protein Name	Condensin-2 complex subunit D3
UniProt Gene Name	NCAPD3
UniProt Synonym Gene Names	CAPD3; KIAA0056; hCAP-D3
UniProt Entry Name	CNDD3_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.