10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CDCA3 Rabbit pAb

Catalog # AP99407

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q99618
Other Accession	Q99618
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28998
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CDCA3
Epitope Specificity	201-268/268
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Protein modification; protein ubiquitination. [SUBUNIT] Interacts with SKP1. Part of a SCF (SKP1-cullin-F-box) protein ligase complex (By similarity).
Post-translational modifications	Ubiquitinated and degraded by the APC/C-Cdh1 complex (By similarity). Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CDCA3 (Cell division cycle associated 3) is an F-box-like protein which is required for entry into mitosis. It is associated with SKP1 as part of a SCF (SKP1-cullin-F-box) protein ligase complex, and is required for the ubiquitination and degradation of the CDK1 inhibitory tyrosine kinase WEE1 at G2/M phase.

Additional Information

Gene ID	83461
Other Names	CDCA3_HUMAN; CDCA3; Gene-rich cluster protein C8; Trigger of mitotic entry protein 1 (TOME-1); C8; GRCC8; TOME1; CDCA3_XENLA; CDCA3_MOUSE; CDCA3_RAT; TOME-1; 2410005A12Rik; cell division cycle associated 3; trigger of mitotic entry 1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CDCA3
Synonyms	C8, GRCC8, TOME1
Function	F-box-like protein which is required for entry into mitosis. Acts by participating in E3 ligase complexes that mediate the ubiquitination and degradation of WEE1 kinase at G2/M phase (By similarity).
Cellular Location	Cytoplasm, cytosol.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.