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Phospho-ANAPC1 (Ser688) Antibody

Rabbit Polyclonal Antibody
Catalog # ABV11850

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	Q9H1A4
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	216500

Additional Information

Gene ID	64682
Positive Control	WB: HEK293; IHC: human breast cancer tissue; IFC: HEK293 cells
Application & Usage	WB; 1:500 – 1:2000, IHC; 1:50 – 1:200, IF/IC; 1:50 – 1:100
Alias Symbol	ANAPC1
Other Names	TSG24, Anaphase-promoting complex subunit 1, APC1, Cyclosome subunit 1, Mitotic checkpoint regulator, Testis-specific gene 24 protein
Appearance	Colorless liquid
Formulation	In 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Phospho-ANAPC1 (Ser688) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

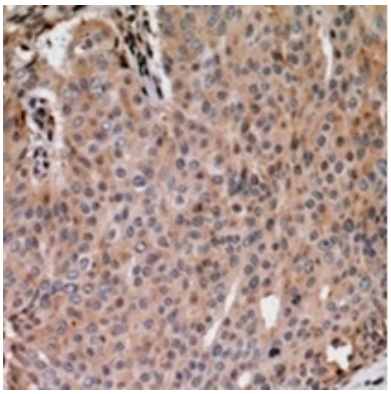
Name	ANAPC1
Synonyms	TSG24
Function	Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through the cell cycle (PubMed:18485873, PubMed:27120157, PubMed:27509861). APC/C acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin

chains (PubMed:18485873). APC/C catalyzes assembly of branched 'Lys-11'-/'Lys- 48'-linked branched ubiquitin chains on target proteins (PubMed:29033132). APC/C is activated by CDC20 in the metaphase/anaphase transition of the cell cycle, targeting the degradation of cyclin B and securin (PubMed:27120157, PubMed:27509861). APC/C is regulated by the mitotic checkpoint complex (MCC), which inhibits APC/C and delays chromosome segregation (PubMed:27509861).

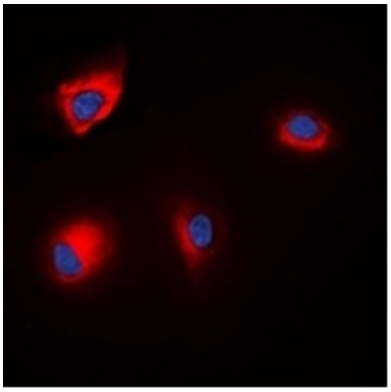
Background

Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of Lys-11-linked polyubiquitin chains and, to a lower extent, the formation of Lys-48- and Lys-63-linked polyubiquitin chains.

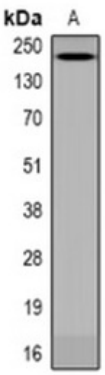
Images



Immunohistochemical analysis of ANAPC1 (pS688) staining in H.breast cancer formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of ANAPC1(pS688) staining in HEK293T cells.



Western blot analysis of ANAPC1(pS688) expression in HEK293 LPS-treated (A) whole cell lysates.

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