CDC16 Polyclonal Antibody

Catalog No: #42650

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Description

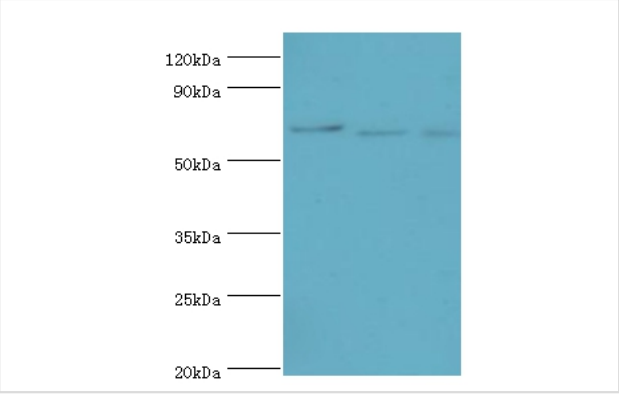
Product Name	CDC16 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen Affinity Purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total CDC16 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Cell division cycle protein 16 homolog protein (371-620aa)
Target Name	CDC16
Other Names	Anaphase-promoting complex subunit 6, APC6, CDC16 homolog, CDC16Hs, Cyclosome subunit 6, CDC16, ANAPC6
Accession No.	Swiss-Prot#: Q13042
Uniprot	Q13042
GeneID	8881;
Calculated MW	72kd
Concentration	1.0mg/mL
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage	Store at -20°C

Application Details

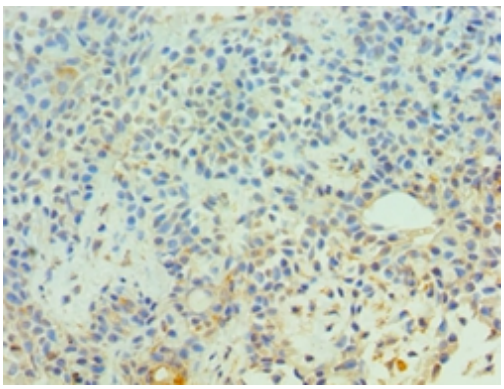
Western blotting: 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

Images



All lanes:Cell division cycle protein 16 homolog antibody at 4ug/ml
Lane 1:Jurkat whole cell lysate
Lane 2:Hela whole cll lysate
Lane 3:k562 whole cell lysate
secondary
Goat polyclonal to rabbit at 1/10000 dilution
predicted band size :72kDa
observed band size :72kDa



Immunohistochemical analysis of paraffin-embedded human breast cancer using #42650 at dilution of 1:100.

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.

References

[1]"Molecular architecture and mechanism of the anaphase-promoting complex." Chang L., Zhang Z., Yang J., McLaughlin S.H., Barford D.Nature 513:388-393(2014). [2]"Insights into anaphase promoting complex TPR subdomain assembly from a CDC26-APC6 structure." Wang J., Dye B.T., Rajashankar K.R., Kurinov I., Schulman B.A.Nat. Struct. Mol. Biol. 16:987-989(2009). [3]"Localization of the coactivator Cdh1 and the cullin subunit Apc2 in a cryo-electron microscopy model of vertebrate APC/C."Dube P., Herzog F., Gieffers C., Sander B., Riedel D., Mueller S.A., Engel A., Peters J.-M., Stark H.Mol. Cell 20:867-879(2005).

Note: This product is for in vitro research use only