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Cables1 Polyclonal Antibody

Catalog # AP68771

Product Information

Application	WB, IHC-P, IF
Primary Accession	Q8TDN4
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67599

Additional Information

Gene ID	91768
Other Names	CABLES1; CABLES; CDK5 and ABL1 enzyme substrate 1; Interactor with CDK3 1; Ik3-1
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

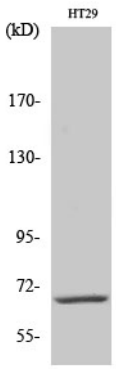
Name	CABLES1
Synonyms	CABLES
Function	Cyclin-dependent kinase binding protein. Enhances cyclin- dependent kinase tyrosine phosphorylation by nonreceptor tyrosine kinases, such as that of CDK5 by activated ABL1, which leads to increased CDK5 activity and is critical for neuronal development, and that of CDK2 by WEE1, which leads to decreased CDK2 activity and growth inhibition. Positively affects neuronal outgrowth. Plays a role as a regulator for p53/p73-induced cell death (By similarity).
Cellular Location	Nucleus. Cytoplasm. Note=Located in the cell body and proximal region of the developing axonal shaft of immature neurons. Located in axonal growth cone, but not in the distal part of the axon shaft or in dendritic growth cone of mature neurons (By similarity).
Tissue Location	Expressed in breast, pancreas, colon, head and neck (at protein level).

Strongly decreased in more than half of cases of atypical endometrial hyperplasia and in more than 90% of endometrial cancers.

Background

Cyclin-dependent kinase binding protein. Enhances cyclin-dependent kinase tyrosine phosphorylation by nonreceptor tyrosine kinases, such as that of CDK5 by activated ABL1, which leads to increased CDK5 activity and is critical for neuronal development, and that of CDK2 by WEE1, which leads to decreased CDK2 activity and growth inhibition. Positively affects neuronal outgrowth. Plays a role as a regulator for p53/p73-induced cell death (By similarity).

Images



Western Blot analysis of various cells using Cables1 Polyclonal Antibody diluted at 1：500