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CABLES1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15153

Product Information

Application	WB
Primary Accession	Q8TDN4
Other Accession	NM_138375, NP_612384
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67599

Additional Information

Gene ID	91768
Alias Symbol	CABLES, FLJ35924, HsT2563, IK3-1, CABL1
Other Names	CDK5 and ABL1 enzyme substrate 1, Interactor with CDK3 1, Ik3-1, CABLES1, CABLES
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-CABLES1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	CABLES1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

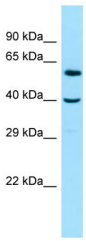
Name	CABLES1
Synonyms	CABLES
Function	Cyclin-dependent kinase binding protein. Enhances cyclin- dependent kinase tyrosine phosphorylation by nonreceptor tyrosine kinases, such as that of CDK5 by activated ABL1, which leads to increased CDK5 activity and is critical for neuronal development, and that 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.

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Nusbaum C.,et al.Nature 437:551-555(2005).
Wu C.-L.,et al.Cancer Res. 61:7325-7332(2001).
Tsuji K.,et al.J. Biol. Chem. 277:2951-2957(2002).
Zukerberg L.R.,et al.Cancer Res. 64:202-208(2004).

Images



WB Suggested Anti-CABLES1 Antibody Titration: 1.0 µg/ml
Positive Control: RPMI-8226 Whole Cell

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