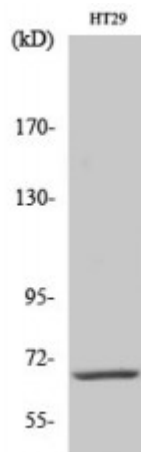


Anti-Cables1 antibody



Description	Rabbit polyclonal to Cables1.
Model	STJ91953
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Cables1
Immunogen Region	530-610 aa, C-terminal
Gene ID	91768
Gene Symbol	CABLES1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	Cables1 Polyclonal Antibody detects endogenous levels of Cables1 protein.
Tissue Specificity	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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	CDK5 and ABL1 enzyme substrate 1 Interactor with CDK3 1 Ik3-1
Molecular Weight	67 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:25097OMIM:609194
Alternative Names	CDK5 and ABL1 enzyme substrate 1 Interactor with CDK3 1 Ik3-1
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 .
Cellular Localization	Nucleus Cytoplasm. 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 .
Post-translational Modifications	Phosphorylated on Ser-313 by CCNE1/CDK3. Phosphorylated on serine/threonine residues by CDK5 and on tyrosine residues by ABL1. Also phosphorylated in vitro by CCNA1/CDK2, CCNE1/CDK2, CCNA1/CDK3 and CCNE1/CDK3 .