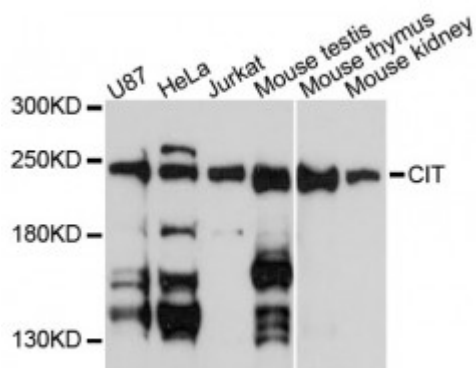


Anti-CIT Antibody



Description

This gene encodes a serine/threonine-protein kinase that functions in cell division. Together with the kinesin KIF14, this protein localizes to the central spindle and midbody, and functions to promote efficient cytokinesis. This protein is involved in central nervous system development. Polymorphisms in this gene are associated with bipolar disorder and risk for schizophrenia. Alternative splicing results in multiple transcript variants.

Model	STJ116211
Host	Rabbit
Reactivity	Human, Mouse
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1000-1300 of human CIT (NP_001193928.1).
Gene ID	11113
Gene Symbol	CIT
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Citron Rho-interacting kinase CRIK
Molecular Weight	231.431 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:1985OMIM:605629Reactome:R-HSA-5625900
Alternative Names	Citron Rho-interacting kinase CRIK
Function	Plays a role in cytokinesis, Required for KIF14 localization to the central spindle and midbody, Putative RHO/RAC effector that binds to the GTP-bound forms of RHO and RAC1, It probably binds p21 with a tighter specificity in vivo, Displays serine/threonine protein kinase activity, Plays an important role in the regulation of cytokinesis and the development of the central nervous system, Phosphorylates MYL9/MLC2,
Cellular Localization	Cytoplasm

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