



# Anti-CIT (aa 1928-2027) polyclonal antibody (DPAB-DC362)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	CIT (NP_009105, 1928 a.a. ~ 2027 a.a) partial recombinant protein with GST tag. The sequence is TYNEHITKRVASSPAPPEGPSHPREPSTPHRYREGRTLRDKSPGRPLEREKSPGRMLS TRRERSPGRLFEDSSRGRLPAGAVRTPLSQVNKVWDQSSV
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CIT citron rho-interacting serine/threonine kinase [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CIT
<b>Synonyms</b>	CIT; citron rho-interacting serine/threonine kinase; CRIK; STK21; citron Rho-interacting kinase; serine/threonine kinase 21; serine/threonine-protein kinase 21; citron (rho-interacting, serine/threonine kinase 21);
<b>Entrez Gene ID</b>	<a href="#">11113</a>
<b>Protein Refseq</b>	<a href="#">NP_001193928</a>
<b>UniProt ID</b>	<a href="#">O14578</a>
<b>Chromosome Location</b>	12q24
<b>Pathway</b>	G13 Signaling Pathway.
<b>Function</b>	ATP binding; PDZ domain binding; Rho GTPase binding; SH3 domain binding