



## Anti-RTKN (aa 451-549) polyclonal antibody (DPAB-DC2761)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a scaffold protein that interacts with GTP-bound Rho proteins. Binding of this protein inhibits the GTPase activity of Rho proteins. This protein may interfere with the conversion of active, GTP-bound Rho to the inactive GDP-bound form by RhoGAP. Rho proteins regulate many important cellular processes, including cytokinesis, transcription, smooth muscle contraction, cell growth and transformation. Dysregulation of the Rho signal transduction pathway has been implicated in many forms of cancer. Alternative splicing results in multiple transcript variants encoding different isoforms.
<b>Immunogen</b>	RTKN (NP_149035, 451 a.a. ~ 549 a.a) partial recombinant protein with GST tag. The sequence is  VTDILTQREGARLETPPPWLAMFTDQPALPNPCSPASVAPAPDWTHPLPWGRPRTFSLDA VPPDHSPRARSVAPLPPQRSPRTRGLCSKGQPRTWLQSP
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), 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="#">RTKN rhotekin [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	RTKN
<b>Synonyms</b>	RTKN; rhotekin;
<b>Entrez Gene ID</b>	<a href="#">6242</a>
<b>Protein Refseq</b>	<a href="#">NP_001015055</a>
<b>UniProt ID</b>	<a href="#">Q9BST9</a>
<b>Chromosome Location</b>	2p13.1
<b>Pathway</b>	Alpha6-Beta4 Integrin Signaling Pathway.
<b>Function</b>	GTP binding; GTP-Rho binding; GTPase inhibitor activity; protein binding