

DRAK2 Polyclonal Antibody

Catalog Number **PA1-41308**

Product data sheet

Details		Species Reactivity	
Size	100 µg	Published species	Not Applicable
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	Dilution *
Type	Antibody		2-4 µg/mL
Immunogen	Synthetic peptide corresponding to residues 351-365 of human DRAK2.	Published Applications	
Conjugate	Unconjugated	Western Blot (WB)	See 1 publications below
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Suggested positive control: antigen standard for STK17B (transient overexpression lysate), Raji whole cell lysate.

Background/Target Information

STK17B (also known as DRAK2) is a member of the serine/threonine kinase family and is related to death-associated protein kinase that triggers apoptosis. STK17B is selectively important for T-cell survival and inhibition of STK17B has therapeutic potential for autoimmune disease. T-cell survival depends on a balance of T-cell receptor and co-stimulatory signals and deficiency of STK17B can affect autoimmune disease susceptibility without generalized suppression of the immune system. Protein kinases play important roles in the signal transduction in response to a variety of external stimuli. Recently, several protein kinases have been identified that may also be involved in apoptotic process. Overexpression of a serine/threonine kinase, ZIP kinase can cause the morphological changes typical of apoptosis in NIH 3T3 cells. Sanjo et al, have identified two new protein kinases DRAK1 and DRAK2 (Death Receptor Associated Kinase 1 and 2). Both DRAKs and ZIP kinase share significant homology at the amino acid level. The kinase domains of both DRAKs, ZIP kinase are homologous to DAP (Death-associated protein) kinase, which is involved in the apoptotic signaling induced by interferon-γ. Overexpression of DRAKs in NIH 3T3 cells lead to apoptosis. These transfection experiments suggest that C-terminal domain of DRAKs are important for induction of apoptosis.

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PubMed References For DRAK2 Polyclonal Antibody

1 Western Blot References

Species / Dilution	Summary
	Published figure using DRAK2 polyclonal antibody (Product # PA1-41308) in Western Blot
Not Applicable / Not Cited	<p>Cell death & disease (2019; 10:)</p> <p>"DAPK1 loss triggers tumor invasion in colorectal tumor cells."</p> <p>Author(s):Steinmann S,Kunze P,Hampel C,Eckstein M,Bertram Bramsen J,Muenzner JK,Carlé B,Ndreshkjana B,Kemenes S,Gasparini P,Friedrich O,Andersen C,Geppert C,Wang S,Eyupoglu I,Bäuerle T,Hartmann A,Schneider-Stock R</p> <p>PubMed Article URL:http://dx.doi.org/10.1038/s41419-019-2122-z</p>

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