



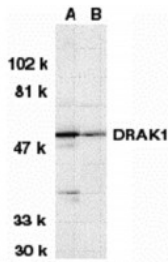
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## DRAK1 Antibody

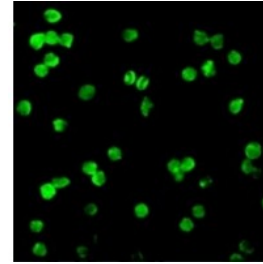
Cat. No.: 2147



Western blot analysis of DRAK1 in (A) MOLT4 and (B) A431 whole cell lysates with DRAK1 antibody at 1 ug/mL.



Immunocytochemistry staining of MOLT4 cells using DRAK1 antibody at 2 ug/mL.



Immunofluorescence of DRAK1 in Molt cells with DRAK1 antibody at 20 ug/mL.

# Ψ SPECIFICATIONS

<b>HOST SPECIES:</b>	Rabbit
<b>SPECIES REACTIVITY:</b>	Human
<b>HOMOLOGY:</b>	Predicted species reactivity based on immunogen sequence: Rabbit: (73%)
<b>IMMUNOGEN:</b>	<p>DRAK1 antibody was raised against a peptide corresponding to amino acids near the amino terminus of human DRAK1.</p> <p>The immunogen is located within the first 50 amino acids of DRAK1.</p>
<b>TESTED APPLICATIONS:</b>	ELISA, ICC, IF, WB
<b>APPLICATIONS:</b>	<p>DRAK1 antibody can be used for detection of DRAK1 by Western blot at 1 ug/mL. An approximately 50 kDa band can be detected. Antibody can also be used for immunocytochemistry starting at 2 ug/mL. For immunofluorescence start at 10 ug/mL.</p> <p>Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.</p>
<b>SPECIFICITY:</b>	No cross responses to DRAK2, DAP or ZIP kinases.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1202 - A431 Cell Lysate
	2) Cat. No. 1206 - MOLT4 Cell Lysate
	3) Cat. No. 17-006 - MOLT-4 Cell Slide
<b>PREDICTED MOLECULAR WEIGHT:</b>	50 kDa

# Ψ PROPERTIES

<b>PURIFICATION:</b>	DRAK1 Antibody is affinity chromatography purified via peptide column.
<b>CLONALITY:</b>	Polyclonal
<b>ISOTYPE:</b>	IgG
<b>CONJUGATE:</b>	Unconjugated
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	DRAK1 Antibody is supplied in PBS containing 0.02% sodium azide.
<b>CONCENTRATION:</b>	1 mg/ml
<b>STORAGE CONDITIONS:</b>	DRAK1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

## Ψ ADDITIONAL INFO

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<b>OFFICIAL SYMBOL:</b>	STK17A
<b>ALTERNATE NAMES:</b>	DRAK1 Antibody: DRAK1, DRAK1, DAP kinase-related apoptosis-inducing protein kinase 1
<b>ACCESSION NO.:</b>	Q9UEE5
<b>PROTEIN GI NO.:</b>	14423930
<b>GENE ID:</b>	9263
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.

## Ψ BACKGROUND AND REFERENCES

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<b>BACKGROUND:</b>	<p>DRAK1 Antibody: Apoptosis is mediated by death domain containing adapter molecules and a caspase family of proteases. Certain serine/threonine protein kinases, such as ASK-1 and RIP, are mediators of apoptosis. Two novel serine/threonine kinases that induce apoptosis were recently identified and designated DRAK1 and DRAK2 for DAP kinase-related apoptosis-inducing protein kinases. DRAKs contain an N-terminal kinase domain and a C-terminal regulation domain. Overexpression of DRAK1 induces apoptosis. DRAKs have high sequence homology to DAP and ZIP kinases, and they represent a novel family of serine/threonine kinases, which mediates apoptosis through their catalytic activities. DRAK1 is located in nucleus and the messenger RNA was ubiquitously expressed in human tissues.</p>
<b>REFERENCES:</b>	<p>1) Sanjo H, Kawai T, Akira S. DRAKs, novel serine/threonine kinases related to death-associated protein kinase that trigger apoptosis. J Biol Chem 1998;273:29066-71</p>

### ANTIBODIES FOR RESEARCH USE ONLY.

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