ARG54354
anti-DRAK1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DRAK1
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Specificity	This antibody recognizes human DRAK1 (50kDa). No cross-reactivity with DRAK2, DAP or ZIP kinases.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DRAK1
Species	Human
Immunogen	Peptide corresponding to aa 5-19 of human DRAK1 (accession no. Q9UEE5).
Conjugation	Un-conjugated
Alternate Names	EC 2.7.11.1; DRAK1; Serine/threonine-protein kinase 17A; DAP kinase-related apoptosis-inducing protein kinase 1

Application Instructions

Application table

Application	Dilution
ICC/IF	2-20 µg/mL
WB	1 µg/mL

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: A431 and MOLT4

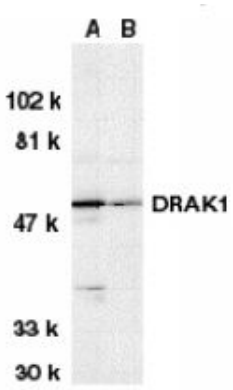
Properties

Form	Liquid
Purification	Immunoaffinity chroma-tography
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

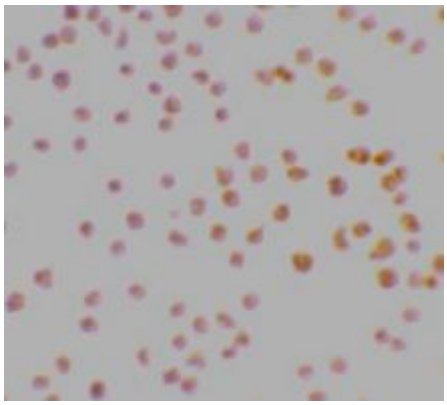
Database links	GeneID: 9263 Human Swiss-port # Q9UEE5 Human
Gene Symbol	STK17A
Gene Full Name	serine/threonine kinase 17a
Background	Certain serine/threonine protein kinases, such as ASK-1 and RIP, are mediators of apoptosis. Two novel serine/threonine kinases that induce apoptosis have been identified 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 mediate apoptosis through their catalytic activities. DRAK1 is located in cell nuclei, and the mRNA for DRAK1 is ubiquitously expressed in human tissues.
Function	Acts as a positive regulator of apoptosis. Also acts as a regulator of cellular reactive oxygen species. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Cell Death antibody; Signaling Transduction antibody
Calculated Mw	47 kDa
PTM	Autophosphorylated.

Images



ARG54354 anti-DRAK1 antibody WB image

Western Blot: A:MOLT4; B:A431 stained with ARG54354 anti-DRAK1 antibody at 1 µg/ml dilution.



ARG54354 anti-DRAK1 antibody ICC/IF image

MOLT4 stained with ARG54354 anti-DRAK1 antibody at 2 µg/ml dilution.