10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DRAK1 Rabbit pAb

Catalog # AP98441

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9UEE5
Other Accession	Q9UEE5
Predicted	Rat, Human, Mouse, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46558
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DRAK1/STK17A
Epitope Specificity	45-150/414
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily.Contains 1 protein kinase domain.
Post-translational modifications	Autophosphorylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	DRAK1 (DAP kinase-related apoptosis-inducing protein kinase 1) is a novel member of the ser/thr protein kinase family, which mediate apoptosis through their catalytic activities. The full-length cDNA encodes a deduced 414-amino acid protein with a molecular mass of 46.56 kD. DRAKs contain an N-terminal kinase domain and a C-terminal regulation domain. DRAK1 messenger RNA appears to be ubiquitously expressed in human tissues. Overexpression of DRAK1 induces apoptosis. It has been shown in vitro that DRAK1 is capable of autophosphorylation and of phosphorylating the myosin light chain as an exogenous substrate, and that the noncatalytic C terminus is crucial for full kinase activity.

Additional Information

Gene ID	9263
Other Names	DRAK1; RDRAK1; ST17A_HUMAN; STK17A; DAP kinase-related apoptosis-inducing protein kinase 1; 2.7.11.1; ST17A_RABIT; DAP kinase-related apoptosis-inducing protein kinase 1 (rDRAK1); serine/threonine kinase 17a; serine/threonine kinase 17a (apoptosis-inducing); death-associated protein kinase-related 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	STK17A
Synonyms	DRAK1
Function	Acts as a positive regulator of apoptosis. Also acts as a regulator of cellular reactive oxygen species.
Cellular Location	Nucleus.
Tissue Location	Highly expressed in placenta. Lower levels in heart, lung, skeletal muscle, kidney and pancreas

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.