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DRAK1 Antibody
Catalog # ASC10072

Specification

DRAK1 Antibody - Product Information

Application	**WB, IF, ICC, E**
Primary Accession	Q9UEE5
Other Accession	Q9UEE5, 14423930
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**50 kDa KDa**
Application Notes	**DRAK1 antibody can be used for detection of DRAK1 by Western blot at 1 µg/mL. An approximately 50 kDa band can be detected. Antibody can also be used for immunocytochemistry starting at 2 µg/mL. For immunofluorescence start at 10 µg/mL.**

DRAK1 Antibody - Additional Information

Gene ID **9263**

Other Names
DRAK1 Antibody: DRAK1, DRAK1, DAP kinase-related apoptosis-inducing protein kinase 1, serine/threonine kinase 17a

Target/Specificity
STK17A; No cross responses to DRAK2, DAP or ZIP kinases.

Reconstitution & Storage
DRAK1 antibody can be stored at 4℃ for three months and -20℃, 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.

Precautions
DRAK1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DRAK1 Antibody - 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.

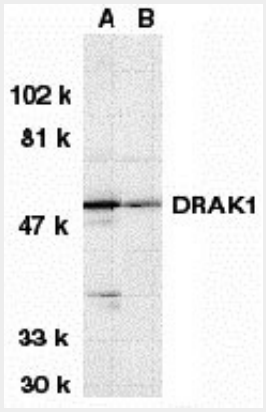
Tissue Location
Highly expressed in placenta. Lower levels in heart, lung, skeletal muscle, kidney and pancreas

DRAK1 Antibody - Protocols

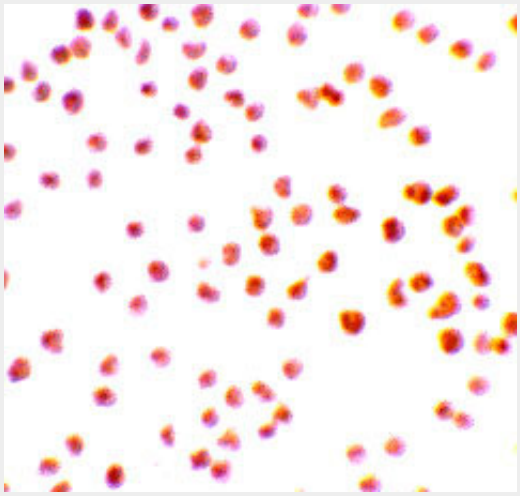
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DRAK1 Antibody - Images



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



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

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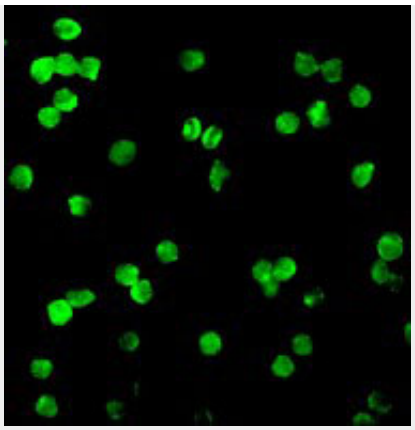

Immunofluorescence of DRAK1 in Molt cells with DRAK1 antibody at 20 µg/mL.

DRAK1 Antibody - Background

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.

DRAK1 Antibody - References

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