



Product datasheet

Anti-DCK antibody [OTI16G6] - BSA and Azide free ab273650

9 Images

Overview

Product name	Anti-DCK antibody [OTI16G6] - BSA and Azide free
Description	Mouse monoclonal [OTI16G6] to DCK - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: Flow Cyt (Intra), WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human DCK aa 1-300. Database link: P27707
	<div>  Run BLAST with  Run BLAST with </div>
Positive control	WB: pCMV6-ENTRY DCK transfected HEK-293T lysate; HepG2, HeLa, Jurkat cell lysate, human testis, omentum, uterus, breast, brain, liver, ovary, thyroid gland and colon tissue lysate; IHC-P: Human breast adenocarcinoma, lung carcinoma, bladder carcinoma, lymph node, lymphoma tissue; Flow Cyt (Intra): HeLa and Jurkat whole cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.3 Constituent: PBS
Carrier free	Yes
Purity	Protein A/G purified

Clonality	Monoclonal
Clone number	OT116G6
Isotype	IgG1

Applications

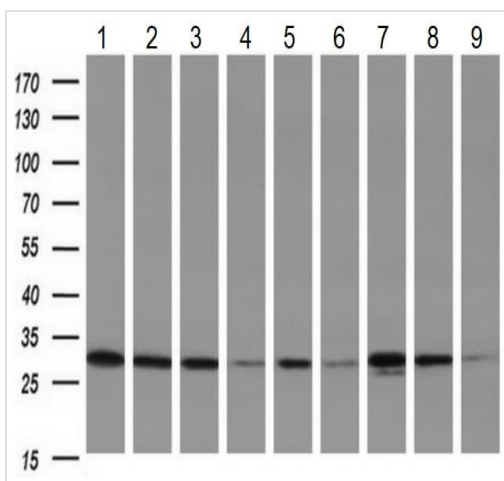
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab273650 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/100.
WB		1/500 - 1/2000. Predicted molecular weight: 31 kDa.
IHC-P		1/150.

Target

Function	Required for the phosphorylation of the deoxyribonucleosides deoxycytidine (dC), deoxyguanosine (dG) and deoxyadenosine (dA). Has broad substrate specificity, and does not display selectivity based on the chirality of the substrate. It is also an essential enzyme for the phosphorylation of numerous nucleoside analogs widely employed as antiviral and chemotherapeutic agents.
Sequence similarities	Belongs to the DCK/DGK family.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus.

Images



Western blot - Anti-DCK antibody [OT116G6] - BSA and Azide free (ab273650)

All lanes : Anti-DCK antibody [OT116G6] - BSA and Azide free (ab273650) at 1/2000 dilution

Lane 1 : Human testis tissue lysate

Lane 2 : Human omentum tissue lysate

Lane 3 : Human uteus tissue lysate

Lane 4 : Human breast tissue lysate

Lane 5 : Human brain tissue lysate

Lane 6 : Human liver tissue lysate

Lane 7 : Human ovary tissue lysate

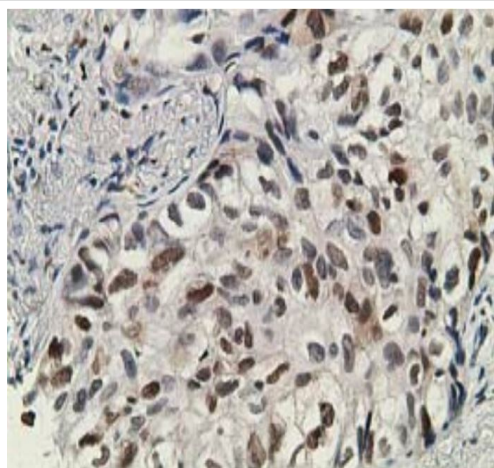
Lane 8 : Human thyroid tissue lysate

Lane 9 : Human colon tissue lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 31 kDa

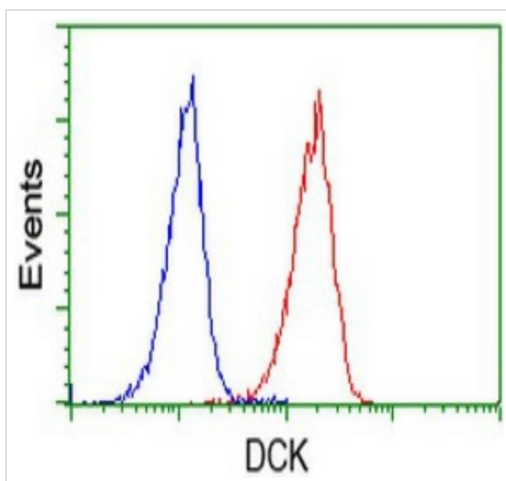
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DCK antibody [OT116G6] - BSA and Azide free (ab273650)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue staining DCK with a mouse monoclonal DCK antibody [OT116G6].

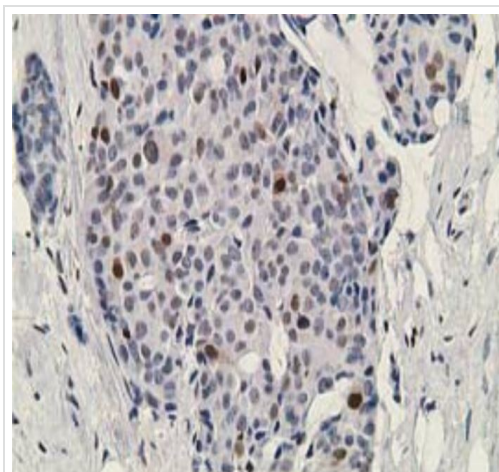
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide.



Flow Cytometry (Intracellular) - Anti-DCK antibody
[OT116G6] - BSA and Azide free (ab273650)

Flow cytometric analysis of Jurkat (human T cell leukemia cell line from peripheral blood) whole cell using a mouse monoclonal DCK antibody [OT116G6] (Red), compared to a nonspecific negative control antibody (Blue).

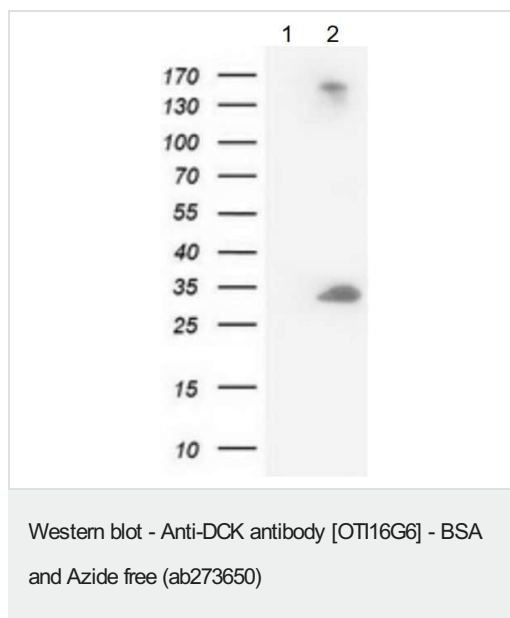
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-DCK antibody [OT116G6]
- BSA and Azide free (ab273650)

Immunohistochemical analysis of paraffin-embedded human breast adenocarcinoma tissue staining DCK with a mouse monoclonal DCK antibody [OT116G6].

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide.



All lanes : Anti-DCK antibody [OTI16G6] - BSA and Azide free (ab273650) at 1/2000 dilution

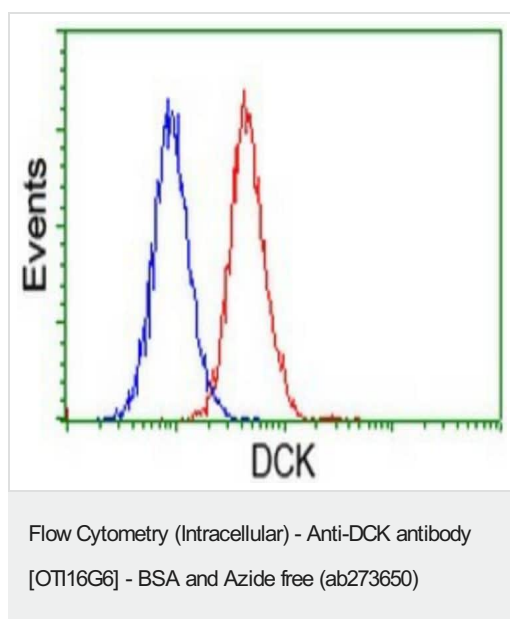
Lane 1 : pCMV6-ENTRY control-transfected HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 2 : pCMV6-ENTRY DCK-transfected HEK-293T whole cell lysate

Lysates/proteins at 5 µg per lane.

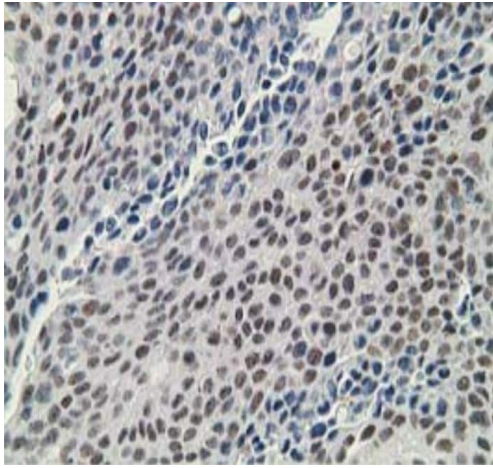
Predicted band size: 31 kDa

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide.



Flow cytometric analysis of HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate using a mouse monoclonal DCK antibody [OTI16G6] (Red), compared to a nonspecific negative control antibody (Blue).

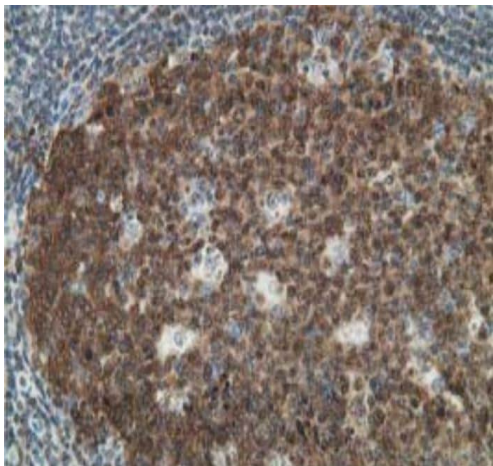
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DCK antibody [OT116G6]
- BSA and Azide free (ab273650)

Immunohistochemical analysis of paraffin-embedded human bladder carcinoma tissue staining DCK with a mouse monoclonal DCK antibody [OT116G6].

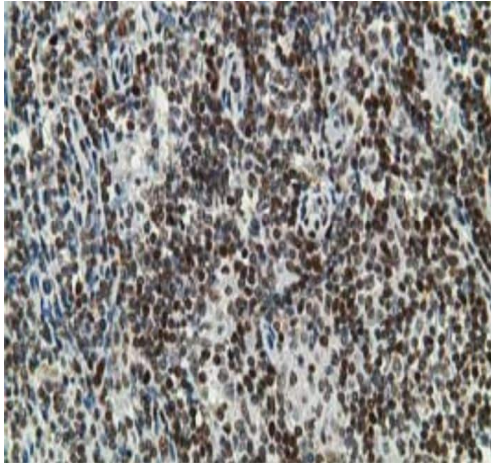
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DCK antibody [OT116G6]
- BSA and Azide free (ab273650)

Immunohistochemical analysis of paraffin-embedded human lymph node tissue staining DCK with a mouse monoclonal DCK antibody [OT116G6].

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DCK antibody [OT116G6]
- BSA and Azide free (ab273650)

Immunohistochemical analysis of paraffin-embedded human lymphoma tissue staining DCK with a mouse monoclonal DCK antibody [OT116G6].

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide.

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