


## Product datasheet

### Anti-DAPK2 antibody [EP1633Y] ab51601

RabMAb

★★★★★ [1 Abreviews](#) [4 References](#) [3 Images](#)

#### Overview

<b>Product name</b>	Anti-DAPK2 antibody [EP1633Y]
<b>Description</b>	Rabbit monoclonal [EP1633Y] to DAPK2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), WB, IHC-P <b>Unsuitable for:</b> ICC/IF or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthetic peptide within Human DAPK2 aa 1-100 (N terminal). The exact sequence is proprietary. Database link: <a href="#">Q9UIK4</a>
<b>Positive control</b>	WB: Rat spleen lysate IHC-P: Human liver carcinoma. Flow Cyt (intra): HeLa cells.
<b>General notes</b>	Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .  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.  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

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EP1633Y
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab51601 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

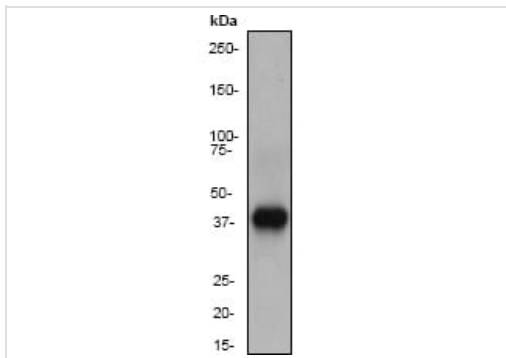
Application	Abreviews	Notes
<b>Flow Cyt (Intra)</b>		1/1000. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
<b>WB</b>	★★★★★ (1)	1/1000 - 1/10000. Detects a band of approximately 42 kDa (predicted molecular weight: 42 kDa).
<b>IHC-P</b>		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

**Application notes** Is unsuitable for ICC/IF or IP.

## Target

<b>Function</b>	Calcium/calmodulin-dependent serine/threonine kinase which acts as a positive regulator of apoptosis.
<b>Tissue specificity</b>	Ubiquitously expressed in all tissue types examined. High levels in heart, lung and skeletal muscle.
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily. Contains 1 protein kinase domain.
<b>Cellular localization</b>	Cytoplasm.

## Images



Western blot - Anti-DAPK2 antibody [EP1633Y] (ab51601)

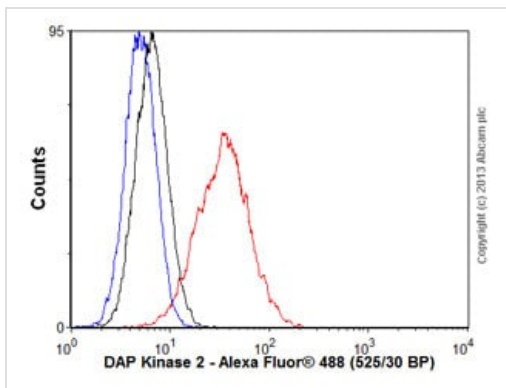
Anti-DAPK2 antibody [EP1633Y] (ab51601) at 1/2000 dilution +  
Rat spleen lysate at 10 µg

### Secondary

Goat anti-rabbit HRP at 1/2000 dilution

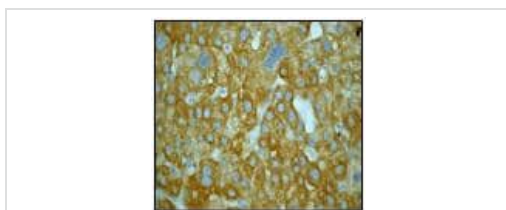
**Predicted band size:** 42 kDa

**Observed band size:** 42 kDa



Flow Cytometry (Intracellular) - Anti-DAPK2 antibody [EP1633Y] (ab51601)

Overlay histogram showing HeLa cells stained with ab51601 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab51601, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) ([ab150077](#)) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1 µg/1x10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in HeLa cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DAPK2 antibody [EP1633Y] (ab51601)

Immunohistochemical staining of paraffin embedded human liver carcinoma using ab51601 (1/50). Secondary stained using Goat anti-rabbit HRP (1/2000).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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