

# DUSP7 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8450a

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q16829</a>
<b>Other Accession</b>	<a href="#">Q91Z46</a> , <a href="#">NP_001938</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB5816
<b>Antigen Region</b>	96-127

## Additional Information

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<b>Other Names</b>	Dual specificity protein phosphatase 7, Dual specificity protein phosphatase PYST2, DUSP7, PYST2
<b>Target/Specificity</b>	This DUSP7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-127 amino acids from the N-terminal region of human DUSP7.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	DUSP7 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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### Background

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DUSP7 is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP)kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of

the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli.

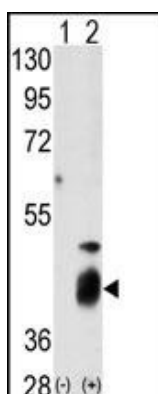
## References

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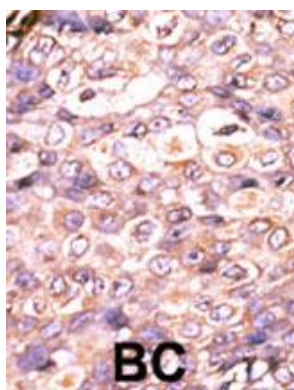
Immunol. Lett. 92 (1-2), 149-156 (2004)  
Oncogene 22 (48), 7649-7660 (2003)  
Meth. Enzymol. 366, 103-113 (2003)  
J. Cell. Sci. 111 (PT 22), 3389-3399 (1998)  
EMBO J. 15 (14), 3621-3632 (1996)

## Images

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Western blot analysis of DUSP7 (arrow) using DUSP7 Antibody (N-term) (RB05816). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the DUSP7 gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

## Citations

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- [Structure-Activity Relationship of SPOP Inhibitors against Kidney Cancer](#)

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