

# BRD2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP8049c

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">P25440</a>
<b>Other Accession</b>	<a href="#">Q6MGA9</a> , <a href="#">Q7JJ13</a> , <a href="#">Q32S26</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Bovine, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Antigen Region</b>	170-200

## Additional Information

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<b>Other Names</b>	Bromodomain-containing protein 2, O2711, Really interesting new gene 3 protein, BRD2, KIAA9001, RING3
<b>Target/Specificity</b>	This BRD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 170-200 amino acids from the Central region of human BRD2.
<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>	BRD2 Antibody (Center) 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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BRD2 is a mitogen-activated kinase which localizes to the nucleus. The gene maps to the major histocompatibility complex (MHC) class II region on chromosome 6p21.3 but sequence comparison suggests that the protein is not involved in the immune response. Homology to the Drosophila gene female sterile homeotic suggests that this human protein may be part of a signal transduction pathway involved in growth control.

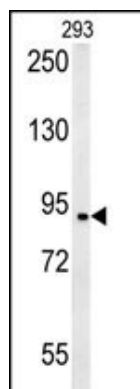
## References

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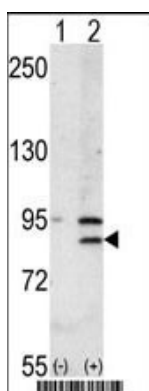
Pal, D.K., et al., *Am. J. Hum. Genet.* 73(2):261-270 (2003).  
Crowley, T.E., et al., *Mol. Endocrinol.* 16(8):1727-1737 (2002).  
Denis, G.V., et al., *Cell Growth Differ.* 11(8):417-424 (2000).  
Taniguchi, Y., et al., *Genomics* 51(1):114-123 (1998).  
Thorpe, K.L., et al., *Immunogenetics* 44(5):391-396 (1996).

## Images

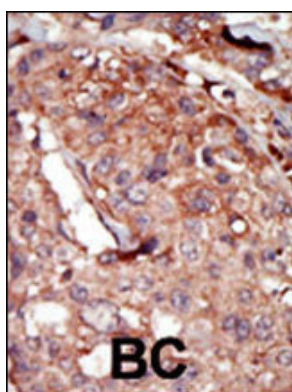
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BRD2-Q185 (Cat.#AP8049c) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the BRD2 antibody detected the BRD2 protein (arrow).



Western blot analysis of BRD2 (arrow) using rabbit polyclonal BRD2 Antibody (Center) (Cat.#AP8049c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the BRD2 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.

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