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BRD2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8049c

Specification

BRD2 Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P25440
Other Accession	Q6MGA9, Q7JJ13, Q32S26
Reactivity	**Human**
Predicted	**Bovine, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Antigen Region	**170-200**

BRD2 Antibody (Center) - Additional Information

Gene ID 6046

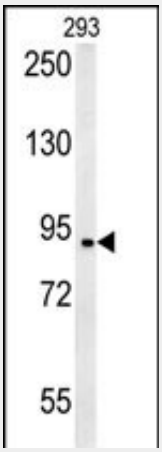
Other Names
Bromodomain-containing protein 2, O2711, Really interesting new gene 3 protein, BRD2, KIAA9001, RING3

Target/Specificity
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.

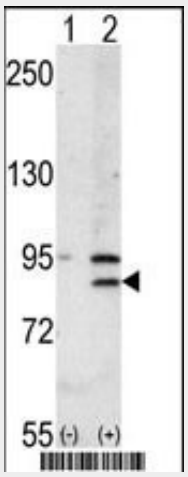
Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
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.

Storage
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.



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).

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Precautions
BRD2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

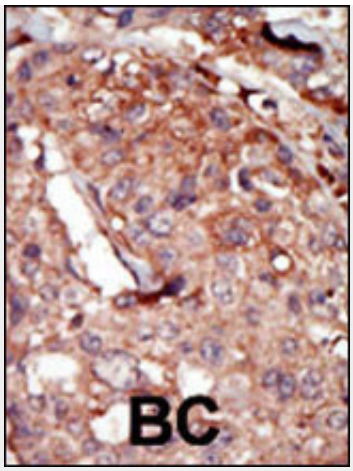
BRD2 Antibody (Center) - Protein Information

Name BRD2

Synonyms KIAA9001, RING3

Function
May play a role in spermatogenesis or folliculogenesis (By similarity). Binds hyperacetylated chromatin and plays a role in the regulation of transcription, probably by chromatin remodeling. Regulates transcription of the CCND1 gene. Plays a role in nucleosome assembly.

Cellular Location
Nucleus. Note=Detected on chromatin and nucleosomes



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.

BRD2 Antibody (Center) - 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

BRD2 Antibody (Center) - Background

BRD2 is a mitogen-activated kinase which localizes to the nucleus. The gene maps to the major histocompatability 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.

BRD2 Antibody (Center) - References

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).