

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 IgG
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.

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

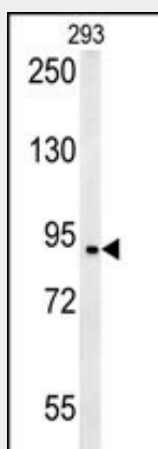
Nucleus. Note=Detected on chromatin and nucleosomes.

BRD2 Antibody (Center) - Protocols

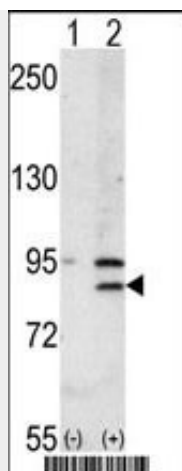
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

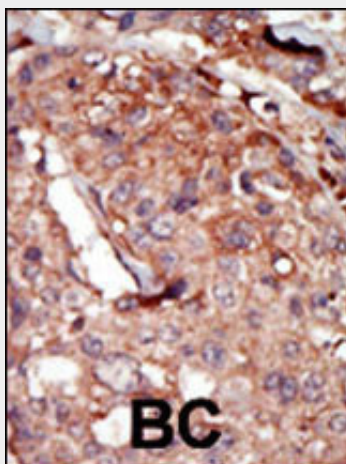
BRD2 Antibody (Center) - Images



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.

BRD2 Antibody (Center) - Background

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.

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).