

## Product datasheet for **AP14978PU-N**

### BRD2 (Center) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry: 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the center region of human BRD2.
Specificity:	This antibody reacts to BRD2.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	bromodomain containing 2
Database Link:	<a href="#">Entrez Gene 6046 Human P25440</a>



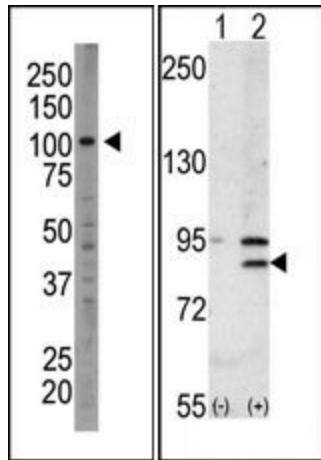
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**Background:**

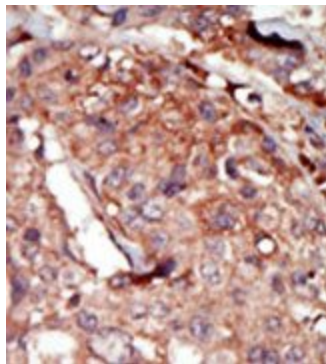
BRD2 is a mitogen-activated kinase which localizes to the nucleus. The gene maps to the major histocompatibility complex (MHC) class II region on chromosome 6p21.3 but sequence comparison suggests that the protein is not involved in the immune response. Homology to the Drosophila gene female sterile homeotic suggests that this human protein may be part of a signal transduction pathway involved in growth control.

**Synonyms:**

KIAA9001, RING3, O27.1.1, Bromodomain-containing protein 2

**Product images:**


(LEFT)Western blot analysis of anti-BRD2 Pab in A375 cell lysate. BRD2 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence. (RIGHT)Western blot analysis of BRD2 (arrow) using rabbit polyclonal BRD2 Antibody (Center). 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.