

**BRD8 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10561****Specification**

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**BRD8 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O9H0E9</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	135336

**BRD8 Antibody - Additional Information****Gene ID** 10902**Application & Usage****Western blotting (1-4 µg/ml). However, the optimal conditions should be determined individually. The antibody detects BRD8 in Human, mouse and rat samples.****Other Names**

BRD-8, Bromodomain containing 8, SMAP, Skeletal Muscle Abundant Protein, Thyroid hormone receptor coactivating protein p120

**Target/Specificity**

BRD8

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µl affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 1% BSA, and 0.02% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

BRD8 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **BRD8 Antibody - Protein Information**

**Name** BRD8

**Synonyms** SMAP, SMAP2

### **Function**

May act as a coactivator during transcriptional activation by hormone-activated nuclear receptors (NR). Isoform 2 stimulates transcriptional activation by AR/DHTR, ESR1/NR3A1, RXRA/NR2B1 and THRB/ERBA2. At least isoform 1 and isoform 2 are components of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage. Component of a SWR1-like complex that specifically mediates the removal of histone H2A.Z/H2AZ1 from the nucleosome.

### **Cellular Location**

Nucleus.

### **Tissue Location**

Expressed in adipose tissue, brain, heart, kidney, liver, lung, pancreas, placenta and skeletal muscle

## **BRD8 Antibody - 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](#)

## **BRD8 Antibody - Images**

## **BRD8 Antibody - Background**

BRD8 interacts with thyroid hormone receptor in a ligand-dependent manner and enhances thyroid hormone-dependent activation from thyroid response elements. BRD8 contains a bromodomain and is thought to be a nuclear receptor coactivator. Three alternatively spliced BRD8 transcript variants that encode distinct BRD8 isoforms have been identified.