### For Research Use Only

# BRD8 Polyclonal antibody

Catalog Number: 10476-1-AP

**Featured Product** 

2 Publications



**Basic Information** 

Catalog Number:

10476-1-AP BC008039

Size:

150ul , Concentration: 600 ug/ml by

Nanodrop;

Rabbit

Isotype: IgG

Immunogen Catalog Number:

AG0790

GenBank Accession Number:

DC000039

GeneID (NCBI): 10902

UNIPROT ID:

Q9H0E9

Full Name: bromodomain containing 8

Calculated MW:

120 kDa

Observed MW:

120-170 kDa

**Applications** 

**Tested Applications:** 

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate

buffer pH 6.0

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:6000 IHC: 1:50-1:500 IF/ICC: 1:400-1:1600

Positive Controls:

WB: HeLa cells, human brain tissue, HuH-7 cells

IHC: human stomach tissue,

IF/ICC : HeLa cells,

# **Background Information**

BRD8 is one of the bromodomain-containing proteins, which is an acetylated lysine-binding domain and thought to be involved in regulation of protein acetylation and/or HAT (histone acetyl transferase) activity [PMID: 12963728]. Interestingly, in the breast cancer cells we detected the 170 kDa endogenous BRD8 protein, which was larger than its calculated 135 kDa molecular weight (MW) from its a.a. residues. The study found that with an anti-HA tag antibody, we validated the expression of HA-tagged full-length BRD8 and four different BRD8 fragments expressed in HEK293T cells. The apparent MWs of these BRD8 full-length and fragment proteins were also larger than their calculated MWs based on their a.a. residues. (PMID: 37680145)

#### **Notable Publications**

Author	Pubmed ID	Journal	Application
Arnaud Obri	24463511	Nature	WB
Zhaoxiang Yu	32860757	Arch Biochem Biophys	WB

Storage

Storage

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3  $\,$ 

Aliquoting is unnecessary for -20°C storage

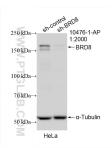
\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

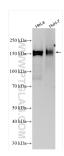
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com W: ptglab.com This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## **Selected Validation Data**



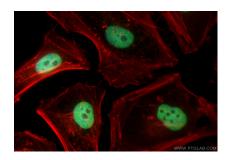
WB result of BRD8 antibody (10476-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-BRD8 transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 10476-1-AP (BRD8 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human stomach tissue slide using 10476-1-AP (BRD8 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using BRD8 antibody (10476-1-AP) at dilution of 1:800 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).