

BRD8 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58413

Specification

BRD8 Polyclonal Antibody - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW
Physical State

Immunogen

Epitope Specificity Isotype **Purity** affinity purified by Protein A

Buffer

SUBCELLULAR LOCATION SIMILARITY SUBUNIT

Important Note

WB, IHC-P, IHC-F, IF, E

09H0E9

Rat, Pig, Dog, Bovine

Rabbit Polyclonal 135 KDa Liquid

KLH conjugated synthetic peptide derived

from human BRD8 331-430/1235

IaG

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Contains 2 bromo domains.

Nucleus.

Component of the NuA4 histone acetyltransferase complex which contains the catalytic subunit KAT5/TIP60 and the subunits EP400, TRRAP/PAF400, BRD8/SMAP, EPC1, DMAP1/DNMAP1, RUVBL1/TIP49, RUVBL2, ING3, actin, ACTL6A/RAF53A, MOREAL1/MPG15

ACTL6A/BAF53A, MORF4L1/MRG15, MORF4L2/MRGX, MRGBP, YEATS4/GAS41, VPS72/YL1 and MEAF6. The NuA4 complex interacts with MYC and the adenovirus E1A protein. Component of a NuA4-related

complex which contains EP400,

TRRAP/PAF400, SRCAP, BRD8/SMAP, EPC1, DMAP1/DNMAP1, RUVBL1/TIP49, RUVBL2,

actin, ACTL6A/BAF53A, VPS72 and

YEATS4/GAS41. BRD8 isoform 2 interacts with RXRA/NR2B1 and THRB/ERBA2 This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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Background Descriptions

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



BRD8 Polyclonal Antibody - Additional Information

Gene ID 10902

Other Names

Bromodomain-containing protein 8, Skeletal muscle abundant protein, Skeletal muscle abundant protein 2, Thyroid hormone receptor coactivating protein of 120 kDa, TrCP120, p120, BRD8, SMAP, SMAP2

Target/Specificity

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

Dilution

WB~~1:1000<br \><span class
="dilution_IHC-P">IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

BRD8 Polyclonal 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

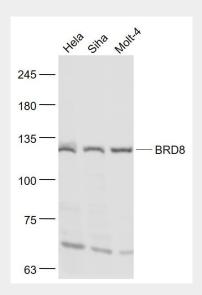
BRD8 Polyclonal Antibody - Protocols

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



- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BRD8 Polyclonal Antibody - Images



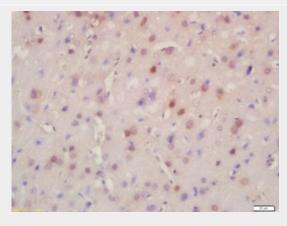
Sample:

Hela(Human) Cell Lysate at 30 ug Siha(Human) Cell Lysate at 30 ug Molt-4(Human) Cell Lysate at 30 ug

Primary: Anti- BRD8 (bs-6290R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 135 kD Observed band size: 130 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;





Incubation: Anti-BRD8 Polyclonal Antibody, Unconjugated(bs-6290R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining