

BRD8 (H-15): sc-130108

BACKGROUND

BRD8 (bromodomain containing protein 8), also designated Skeletal muscle abundant protein (SMAP or SMAP2) or Thyroid hormone receptor coactivating protein 120 kDa (p120 or TrCP120), is a 1,235 amino acid transcription regulation factor that contains 2 bromodomains and is expressed in adipose tissue, brain, heart, kidney, liver, lung, pancreas, placenta and skeletal muscle. BRD8 mRNA is upregulated during neointima formation in a rat carotid endarterectomy model and may therefore be involved in the progression of atherosclerosis in aorta. BRD8 is a member of the NuA4 histone acetyltransferase complex, which may be responsible 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.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: BRD8 (human) mapping to 5q31.2; Brd8 (mouse) mapping to 18 B1.

SOURCE

BRD8 (H-15) is an affinity purified rabbit polyclonal antibody raised against BRD8 of human origin.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PRODUCT

Each vial contains IgG in 100 μ l of PBS with 30% glycerol, 1% BSA and 0.02% thimerosal.

APPLICATIONS

BRD8 (H-15) is recommended for detection of BRD8 of mouse and human origin by Western Blotting (starting dilution to be determined by researcher, dilution range 1:500-1:2000) and immunoprecipitation [1-2 μ l per 100-500 μ g of total protein (1 ml of cell lysate)].

Suitable for use as control antibody for BRD8 siRNA (h): sc-92032, BRD8 siRNA (m): sc-141742, BRD8 shRNA Plasmid (h): sc-92032-SH, BRD8 shRNA Plasmid (m): sc-141742-SH, BRD8 shRNA (h) Lentiviral Particles: sc-92032-V and BRD8 shRNA (m) Lentiviral Particles: sc-141742-V.

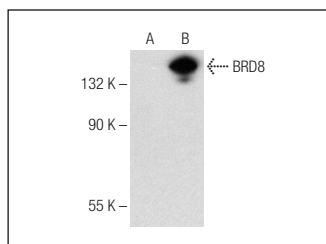
Molecular Weight of BRD8 isoforms: 135/103/81/94 kDa.

Positive Controls: mouse skeletal muscle extract: sc-364250 or BRD8 (m): 293T Lysate: sc-118844.

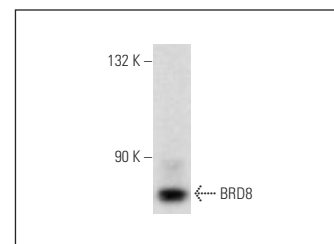
RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



BRD8 (H-15): sc-130108. Western blot analysis of BRD8 expression in non-transfected: sc-117752 (A) and mouse BRD8 transfected: sc-118844 (B) 293T whole cell lysates.



BRD8 (H-15): sc-130108. Western blot analysis of BRD8 expression in mouse skeletal muscle tissue extract.

STORAGE

For immediate and continuous use, store at 4° C for up to one month. For sporadic use, freeze in working aliquots in order to avoid repeated freeze/thaw cycles. If turbidity is evident upon prolonged storage, clarify solution by centrifugation.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.