10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MOUSE Brd7 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20823c

Product Information

Application	WB, E
Primary Accession	O88665
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB43270
Calculated MW	74000

Additional Information

Gene ID	26992
Other Names	Bromodomain-containing protein 7, 75 kDa bromodomain protein, Brd7, Bp75
Target/Specificity	This MOUSE Brd7 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 387-418 amino acids from the Central region of human MOUSE Brd7.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MOUSE Brd7 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Brd7
Synonyms	Bp75
Function	Acts both as coactivator and as corepressor. May play a role in chromatin remodeling. Transcriptional corepressor that down- regulates the expression of target genes. Binds to target promoters, leading to increased histone H3

acetylation at 'Lys-9' (H3K9ac). Binds to the ESR1 promoter. Recruits BRCA1 and POU2F1 to the ESR1 promoter. Coactivator for TP53-mediated activation of transcription of a set of target genes. Required for TP53-mediated cell-cycle arrest in response to oncogene activation. Promotes acetylation of TP53 at 'Lys-382', and thereby promotes efficient recruitment of TP53 to target promoters. Inhibits cell cycle progression from G1 to S phase (By similarity). Activator of the Wnt signaling pathway in a DVL1-dependent manner by negatively regulating the GSK3B phosphotransferase activity. Induces dephosphorylation of GSK3B at 'Tyr-216'. Down-regulates TRIM24-mediated activation of transcriptional activation by AR.

Cellular Location Nucleus. Chromosome {ECO:0000250|UniProtKB:Q9NPI1}

Tissue Location Ubiquitous..

Background

Acts both as coactivator and as corepressor. May play a role in chromatin remodeling. Transcriptional corepressor that down-regulates the expression of target genes. Binds to target promoters, leading to increased histone H3 acetylation at 'Lys-9' (H3K9ac). Binds to the ESR1 promoter. Recruits BRCA1 and POU2F1 to the ESR1 promoter. Coactivator for TP53-mediated activation of transcription of a set of target genes. Required for TP53-mediated cell-cycle arrest in response to oncogene activation. Promotes acetylation of TP53 at 'Lys-382', and thereby promotes efficient recruitment of TP53 to target promoters. Inhibits cell cycle progression from G1 to S phase (By similarity). Activator of the Wnt signaling pathway in a DVL1-dependent manner by negatively regulating the GSK3B phosphotransferase activity. Induces dephosphorylation of GSK3B at 'Tyr-216'. Down-regulates TRIM24- mediated activation of transcriptional activation by AR.

References

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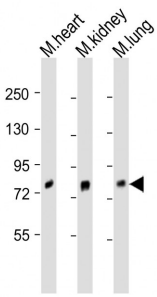
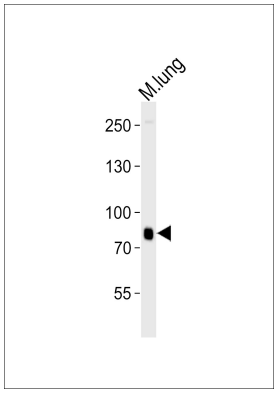
Images



All lanes : Anti-Brd7 Antibody (Center) at 1:2000 dilution Lane 1: mouse heart lysate Lane 2: mouse kidney lysate Lane 3: mouse lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 74 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Western blot analysis of lysate from mouse lung tissue lysate, using MOUSE Brd7 Antibody (Center)(Cat. #AP20823c). AP20823c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as



the secondary antibody. Lysate at 35ug.