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MYBBP1A Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8564b

Product Information

Application	WB, E
Primary Accession	Q9BQG0
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Clone Names	1702CT711.87.46
Calculated MW	148855

Additional Information

Gene ID	10514
Other Names	Myb-binding protein 1A, MYBBP1A, P160
Target/Specificity	This MYBBP1A antibody is generated from a mouse immunized with a recombinant protein between 1104-1328 amino acids from human MYBBP1A.
Dilution	WB~~1:5000 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
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	MYBBP1A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MYBBP1A
Synonyms	P160
Function	May activate or repress transcription via interactions with sequence specific DNA-binding proteins (By similarity). Repression may be mediated at least in part by histone deacetylase activity (HDAC activity) (By similarity). Acts as a corepressor and in concert with CRY1, represses the transcription of the core circadian clock component PER2 (By similarity). Preferentially binds to

	dimethylated histone H3 'Lys-9' (H3K9me2) on the PER2 promoter (By similarity). Has a role in rRNA biogenesis together with PWP1 (PubMed:29065309).
Cellular Location	Cytoplasm. Nucleus. Nucleus, nucleolus. Note=Shuttles between the nucleus and cytoplasm. Nuclear import may be mediated by KPNA2, while export appears to depend partially on XPO1/CRM1 (By similarity). Predominantly nucleolar. {ECO:0000250|UniProtKB:Q7TPV4}

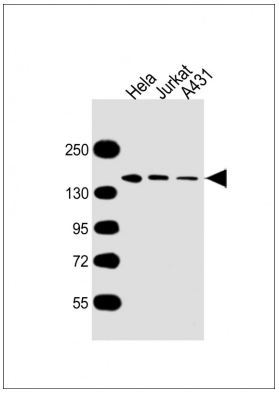
Background

May activate or repress transcription via interactions with sequence specific DNA-binding proteins. Repression may be mediated at least in part by histone deacetylase activity (HDAC activity). Acts as a corepressor and in concert with CRY1, represses the transcription of the core circadian clock component PER2. Preferentially binds to dimethylated histone H3 'Lys-9' (H3K9me2) on the PER2 promoter.

References

Keough R.,et al.Genomics 62:483-489(1999).
Wiemann S.,et al.Genome Res. 11:422-435(2001).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Scherl A.,et al.Mol. Biol. Cell 13:4100-4109(2002).
Olsen J.V.,et al.Cell 127:635-648(2006).

Images



All lanes : Anti-MYBBP1A Antibody at 1:5000 dilution Lane 1: Hela whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: A431 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 149 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.