

DATASHEET

MYBBP1A Rabbit Polyclonal Antibody

CAT. NO. APA14380

KEY FEATURES

Target	MYBBP1A	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

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 . Has a role in rRNA biogenesis together with PWP1 . 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 . Has a role in rRNA biogenesis together with PWP1 .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to MYBBP1A
Specificity	Recognizes endogenous levels of MYBBP1A protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human MYBBP1A
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 148; Observed: 149 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	P160; Myb-binding protein 1A
Gene Symbol	MYBBP1A
Entrez Gene	10514(Human); 18432(Mouse); 60571(Rat)
SwissProt	Q9BQG0(Human); Q7TPV4(Mouse); O35821(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

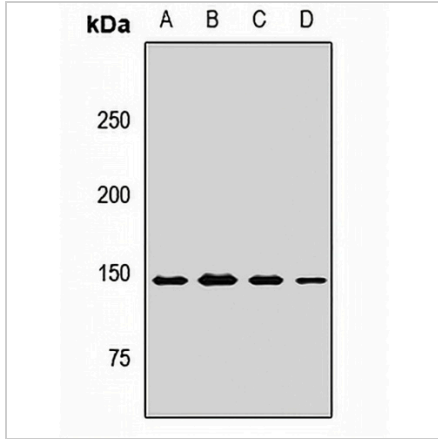
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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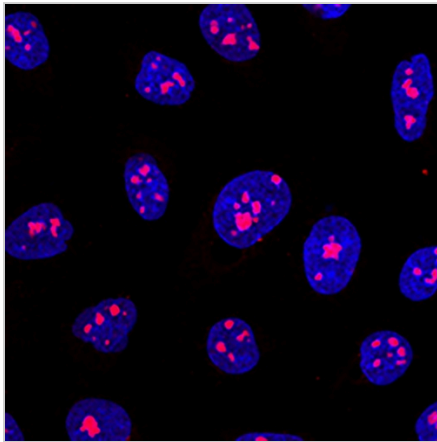
DATA



Western blot analysis of MYBBP1A expression in HeLa (A), MCF7 (B), mouse liver (C), rat liver (D) whole cell lysates. (Predicted band size: 148; 149 kD; Observed band size: 149 kD)

Data 2

Immunohistochemical analysis of MYBBP1A staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of MYBBP1A staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.