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Anti-MYCBP Antibody

Catalog # AP53937

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q99417
Reactivity	Human, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11967

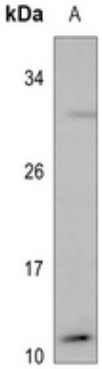
Additional Information

Gene ID	26292
Other Names	AMY1; C-Myc-binding protein; Associate of Myc 1; AMY-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MYCBP. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/2000 IHC~~1/50 - 1/200 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

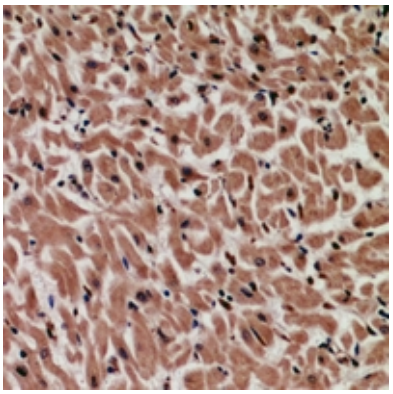
Protein Information

Name	MYCBP (HGNC:7554)
Synonyms	AMY1
Function	May control the transcriptional activity of MYC. Stimulates the activation of E box-dependent transcription by MYC.
Cellular Location	Cytoplasm. Nucleus. Mitochondrion. Note=Translocates into the nucleus in the S phase of the cell cycle upon an increase of MYC expression. Found in the mitochondria when associated with AKAP1
Tissue Location	Highly expressed in heart, placenta, pancreas, skeletal muscle and kidney. Also present at low levels in lung

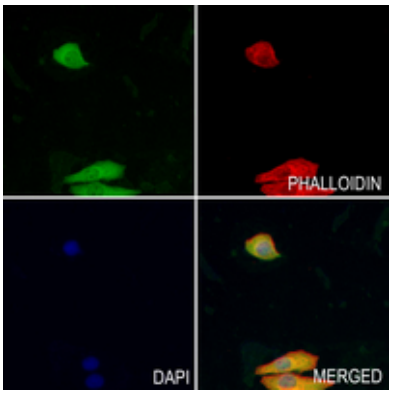
Images



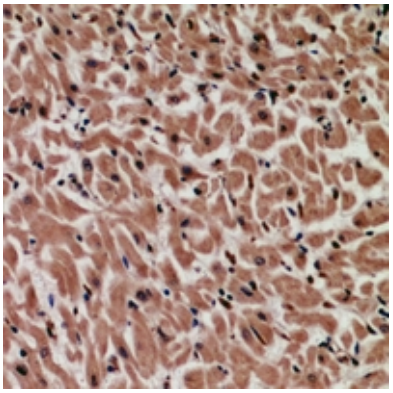
Western blot analysis of MYCBP expression in mouse muscle (A) whole cell lysates. (Predicted band size: 11 kD; Observed band size: 12 kD)



Immunohistochemical analysis of MYCBP staining in human heart 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 MYCBP staining in MCF7 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 hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



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