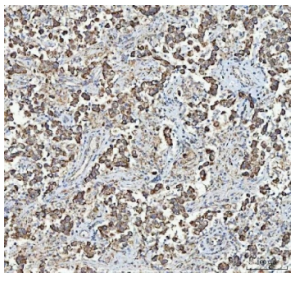
MYCBP Antibody / AMY-1 (RQ8331)

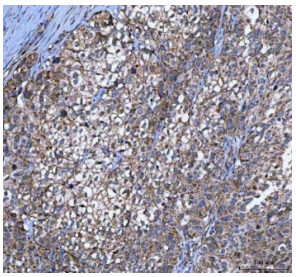
Catalog No.	Formulation	Size
RQ8331	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

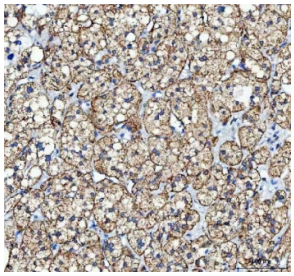
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q99417
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This MYCBP antibody is available for research use only.



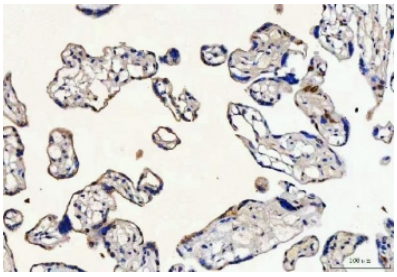
IHC staining of FFPE human testicular germ cell tumor tissue with MYCBP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



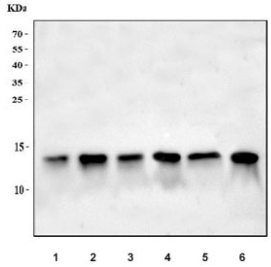
IHC staining of FFPE human bladder urothelial carcinoma tissue with MYCBP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



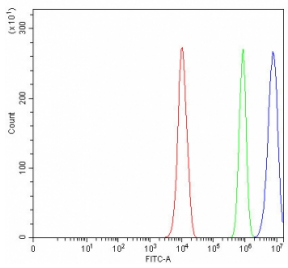
IHC staining of FFPE human adrenal adenoma tissue with MYCBP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human placental tissue with MYCBP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human A549, 2) human 293T, 3) rat lung, 4) rat NRK, 5) mouse lung and 6) mouse NIH 3T3 cell lysate with MYCBP antibody. Predicted molecular weight ~12 kDa.



Flow cytometry testing of fixed and permeabilized human PC-3 cells with MYCBP antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MYCBP antibody.

Description

C-Myc-binding protein (MYCBP), also called Associate of Myc 1 (AMY-1), is a protein that in humans is encoded by the MYCBP gene. The protein encoded by this gene binds to the N-terminus of the oncogenic protein C-MYC, enhancing the ability of C-MYC to activate E box-dependent transcription. The encoded protein is normally found in the cytoplasm, but it translocates to the nucleus during S phase of the cell cycle and associates with C-MYC. This protein may be involved in spermatogenesis. This gene can be silenced by microRNA-22. Two transcript variants, one protein-coding and the other probably not protein-coding, have been found for this gene

Application Notes

Optimal dilution of the MYCBP antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (M1-E103) was used as the immunogen for the MYCBP antibody.

Storage

After reconstitution, the MYCBP antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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