

Datasheet for ABIN391782
anti-MAK antibody (C-Term)[Go to Product page](#)

3 Images

2 Publications

Overview

Quantity:	400 µL
Target:	MAK
Binding Specificity:	AA 578-608, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This MAK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 578-608 amino acids from the C-terminal region of human MAK.
Clone:	RB3342
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MAK
Alternative Name:	MAK (MAK Products)
Background:	MAK is a serine/threonine protein kinase related to kinases involved in cell cycle regulation. It is

Target Details

expressed almost exclusively in the testis, primarily in germ cells. Studies of the mouse and rat homologs have localized the kinase to the chromosomes during meiosis in spermatogenesis, specifically to the synaptonemal complex that exists while homologous chromosomes are paired. There is, however, a study of the mouse homolog that has identified high levels of expression in developing sensory epithelia so its function may be more generalized.

Molecular Weight: 70581

Gene ID: 4117

NCBI Accession: [NP_001229314](#), [NP_001229886](#), [NP_005897](#)

UniProt: [P20794](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

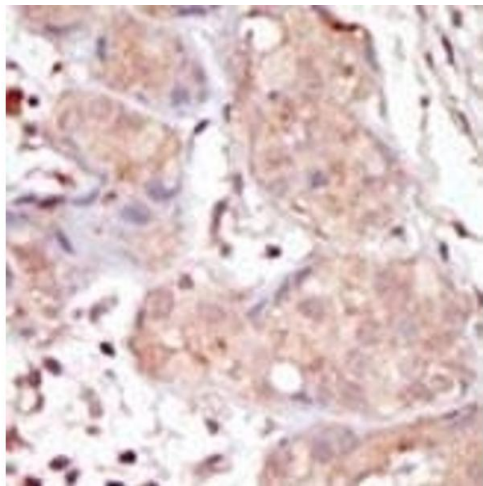
Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

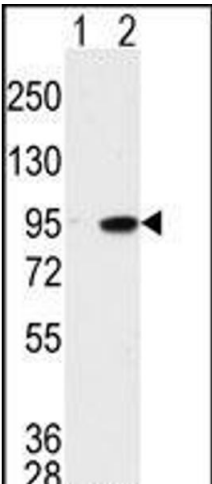
Publications

Product cited in: Humbert, Navaratnam, Augert, Da Costa, Martien, Wang, Martinez, Abbadie, Carling, de Launoit, Gil, Bernard: "Regulation of ploidy and senescence by the AMPK-related kinase NUAK1." in: **The EMBO journal**, Vol. 29, Issue 2, pp. 376-86, (2010) ([PubMed](#)).



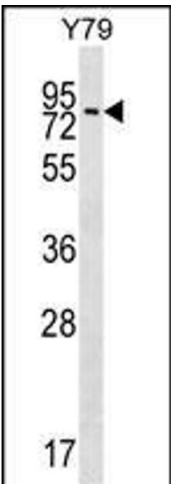
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. Western blot analysis of K (arrow) using K Antibody (C-term) (ABIN391782 and ABIN2841639). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the K gene (Lane 2) (Origene Technologies).



Western Blotting

Image 3. K Antibody (ABIN391782 and ABIN2841639) western blot analysis in Y79 cell line lysates (35 µg/lane). This demonstrates the K antibody detected the K protein (arrow).