

Datasheet for ABIN500220

anti-MAK10/NAA35 antibody (N-Term)[Go to Product page](#)**2** Images

Overview

Quantity:	0.1 mg
Target:	MAK10/NAA35 (MAK10)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAK10/NAA35 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	19 amino acid peptide near the amino terminus of human MAK10
Isotype:	IgG
Specificity:	This antibody detects MAK10 at N-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	MAK10/NAA35 (MAK10)
Alternative Name:	NAA35 / MAK10 (MAK10 Products)

Target Details

Background: The MAK10 gene encodes a 733-amino acid protein with several regions of similarity to T cell receptor alpha-subunit V (variable) regions in yeast. The mammalian homologue of yeast MAK10, also known as EGAP, is one subunit of a novel N-terminal acetyltransferase (NAT) that is highly conserved among vertebrate species. It is expressed in a variety of tissues in the developing rat embryo but restricted in expression in the adult, remaining detectable only in tissues undergoing continual cell renewal or in cells responding to pathological injury. The MAK10-NAT complex is an essential regulatory enzyme controlling the function of a subset of proteins required for embryonic growth control and vessel development. This complex functionally co-assembles in mammalian cells to regulate cell proliferation and is essential for embryonic development, at least in part through the regulation of target of rapamycin (TOR) signaling events. At least two isoforms of MAK10 are known to exist. Synonyms: EGAP, Embryonic growth-associated protein homolog, N-alpha-acetyltransferase 35 NatC auxiliary subunit

Gene ID: 60560

NCBI Accession: [NP_078911](#)

UniProt: [Q5VZE5](#)

Application Details

Application Notes: ELISA. Western blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

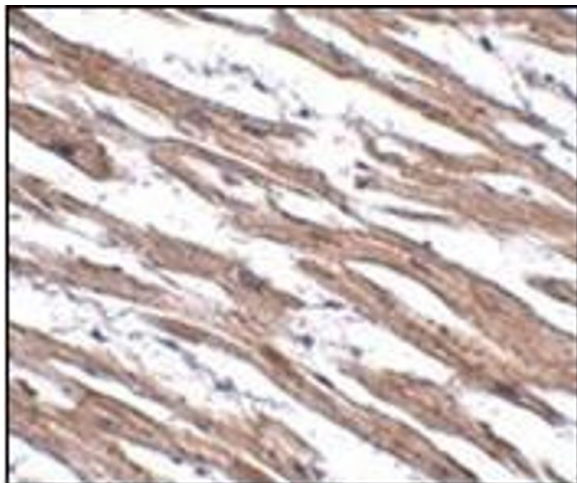
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

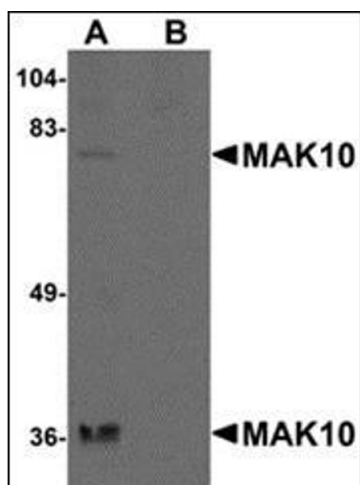
Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of MAK10 in human heart tissue with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of MAK10 in rat heart tissue lysate with this product at 1 µg/ml in the (A) absence and (B) presence of blocking peptide.