ARG40483
anti-MNAT1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MNAT1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MNAT1
Species	Human
Immunogen	Recombinant protein corresponding to L92-A278 of Human MNAT1.
Conjugation	Un-conjugated
Alternate Names	Cyclin-G1-interacting protein; RING finger protein 66; RNF66; MAT1; CDK-activating kinase assembly factor MAT1; CAP35; TFB3; CDK7/cyclin-H assembly factor; Menage a trois; RING finger protein MAT1; p36; p35

Application Instructions

Application table

Application	Dilution
IHC-P	0.5 - 1 µg/ml

Application Note

IHC-P: Antigen Retrieval: By heat mediation.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

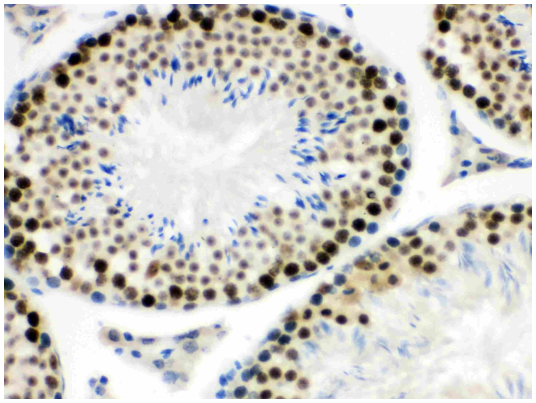
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

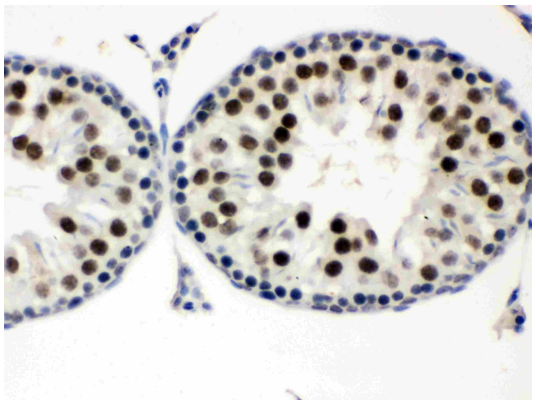
Gene Symbol	MNAT1
Gene Full Name	MNAT CDK-activating kinase assembly factor 1
Background	The protein encoded by this gene, along with cyclin H and CDK7, forms the CDK-activating kinase (CAK) enzymatic complex. This complex activates several cyclin-associated kinases and can also associate with TFIIH to activate transcription by RNA polymerase II. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Function	Stabilizes the cyclin H-CDK7 complex to form a functional CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation. CAK complexed to the core-TFIIH basal transcription factor activates RNA polymerase II by serine phosphorylation of the repetitive C-terminal domain (CTD) of its large subunit (POLR2A), allowing its escape from the promoter and elongation of the transcripts. Involved in cell cycle control and in RNA transcription by RNA polymerase II. [UniProt]
Calculated Mw	36 kDa
Cellular Localization	Nucleus. [UniProt]

Images



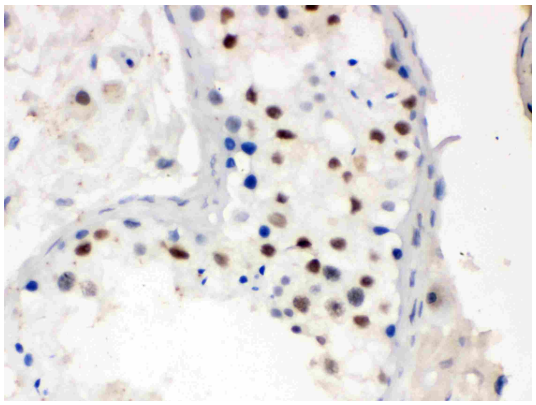
ARG40483 anti-MNAT1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse testis stained with ARG40483 anti-MNAT1 antibody.



ARG40483 anti-MNAT1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat testis stained with ARG40483 anti-MNAT1 antibody.



ARG40483 anti-MNAT1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis stained with ARG40483 anti-MNAT1 antibody.