

# ADK Rabbit mAb

Catalog # AP76381

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">P55263</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Calculated MW</b>	40545

## Additional Information

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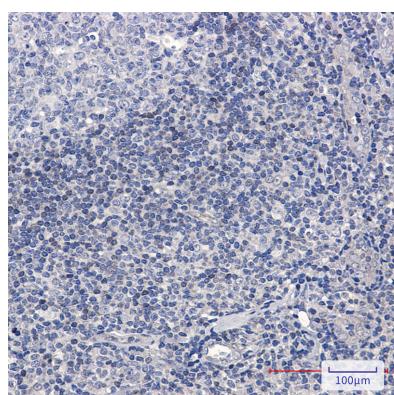
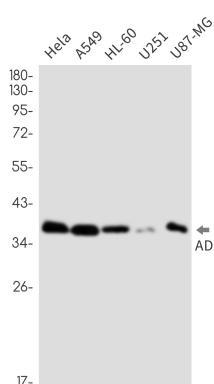
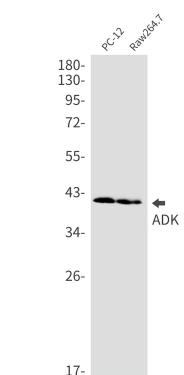
<b>Gene ID</b>	132
<b>Other Names</b>	ADK
<b>Dilution</b>	WB~~1/500-1/1000 IHC-P~~N/A
<b>Format</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	ADK {ECO:0000303   PubMed:19635462, ECO:0000312   HGNC:HGNC:257}
<b>Function</b>	Adenosine kinase that mediates the phosphorylation of the purine nucleoside adenosine at the 5' position in an ATP-dependent manner: catalyzes phosphorylation of both unmodified and modified adenosines (PubMed: <a href="#">21963049</a> , PubMed: <a href="#">40840445</a> , PubMed: <a href="#">6246102</a> , PubMed: <a href="#">8577746</a> , PubMed: <a href="#">9070863</a> ). Plays a key role in the detoxification of modified adenosines containing N(6)-methylated adenine (m6A) post- transcriptional modification (PubMed: <a href="#">40840445</a> ). Modified nucleosides are derived from the degradation of RNAs (mRNAs, rRNAs and tRNAs) and possess intrinsic cytotoxicity and must be cleared to prevent metabolic dysfunction (PubMed: <a href="#">40840445</a> ). Catalyzes the phosphorylation of the free cytosolic methylated adenosine nucleotides N(6)-methyladenosine (m6A), N(6),N(6)-dimethyladenosine (m6,6A) and N(6)- isopentenyladenosine (i6A) into adenosine monophosphate (AMP) intermediates that are further detoxified by MAPDA/ADAL (PubMed: <a href="#">40840445</a> ).
<b>Cellular Location</b>	Cytoplasm, cytosol. [Isoform 2]: Cytoplasm
<b>Tissue Location</b>	Widely expressed. Highest level in placenta, liver, muscle and kidney.

## Images



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