


## Product datasheet

# Anti-AK6 antibody ab192653

### Overview

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<b>Product name</b>	Anti-AK6 antibody
<b>Description</b>	Rabbit polyclonal to AK6
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human <b>Predicted to work with:</b> Rabbit, Cow 
<b>Immunogen</b>	Recombinant full length protein corresponding to Human AK6 aa 1-172. Sequence: MLLPNILLTGTPGVGKTTLGKELASKSGLKYINVGDLAR EEQLYDGYDEE YDCPILDEDRVVDELDNQMREGGVVDYHGCDFPPER WFHIVFVLRTDTN VLYERLETRGYNEKCLTDNIQCEIFQVLYEEATASYKEEI VHQLPSNKPE ELENVDQILKWIEQWIKDHNS  Database link: <a href="#">Q9Y3D8</a>  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.1% Sodium azide Constituents: 49% PBS, 50% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab192653 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab192653** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 20 kDa.

## Target

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### Function

Broad-specificity nucleoside monophosphate (NMP) kinase that catalyzes the reversible transfer of the terminal phosphate group between nucleoside triphosphates and monophosphates. AMP and dAMP are the preferred substrates, but CMP and dCMP are also good substrates. IMP is phosphorylated to a much lesser extent. All nucleoside triphosphates ATP, GTP, UTP, CTP, dATP, dCTP, dGTP, and TTP are accepted as phosphate donors. CTP is the best phosphate donor, followed by UTP, ATP, GTP and dCTP. May have a role in nuclear energy homeostasis. Has also ATPase activity. May be involved in regulation of Cajal body (CB) formation.

### Sequence similarities

Belongs to the adenylate kinase family. AK6 subfamily.

### Cellular localization

Nucleus > nucleoplasm. Nucleus > Cajal body. Displays widespread diffuse nucleoplasmic distribution but not detected in nucleoli. Detected in Cajal bodies but not in all cells.

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