

## AK2 Monoclonal Antibody

Catalog No. E-AB-27010

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

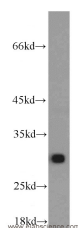
### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Fusion protein of AK2
<b>Host</b>	Mouse
<b>Isotype</b>	IgG2a
<b>Clone</b>	Clone:205
<b>Purification</b>	Protein A purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, PH7.3

### Applications Recommended Dilution

**WB 1:1000-1:10000,**  
**IHC 1:20-1:200, IF**  
**1:20-1:200**

### Data



Western Blot analysis of HeLa cells using AK2  
Monoclonal Antibody at dilution of 1:4000

**Observed Mw:29kDa**  
**Calculated Mw:26kDa**

### Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

### Background

AK2(Adenylate kinase 2,mitochondrial ) is also named as ADK2 and belongs to the adenylate kinase family. It plays a unique role in energy metabolism and energy transfer by regulating the ATP/ADP rate between the cytoplasm matrix and the mitochondria and it is increased expression during adipocyte and B cell differentiation. AK2 catalyzes the reversible transfer of a phosphoryl group from ATP to AMP. Defects in AK2 are the cause of reticular dysgenesis (RDYS). It has 6 isoforms produced by alternative splicing.

### For Research Use Only