

## AAK1 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP00069
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human AAK1. AA range:271-320
<b>Mol wt</b>	93578
<b>Species reactivity</b>	Human, Mouse, Rat, Monkey
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	AAK1 Antibody
<b>Synonyms</b>	AAK1; KIAA1048; AP2-associated protein kinase 1; Adaptor-associated kinase 1

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Adaptor-related protein complex 2 (AP-2 complexes) functions during receptor-mediated endocytosis to trigger clathrin assembly, interact with membrane-bound receptors, and recruit endocytic accessory factors. AAK1 encodes a member (AP2 associated kinase 1) of the SNF1 subfamily of Ser/Thr protein kinases. The protein interacts with and phosphorylates a subunit of the AP-2 complex, which promotes binding of AP-2 to sorting signals found in membrane-bound receptors and subsequent receptor endocytosis. Its kinase activity is stimulated by clathrin. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.

### Recommended Dilution

WB: 1: 500 - 1: 2000

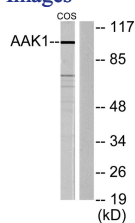
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

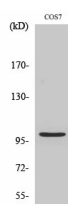
ELISA: 1: 20000

Not yet tested in other applications.

### Images



Western blot analysis of lysates from COS7 cells, using AAK1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using AAK1 Polyclonal Antibody

## Storage

-20°C for one year

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