

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human AAK1 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 702425
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human AAK1 Ser704-Ile822 Accession # Q2M2I8
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

AP2-associated protein kinase 1 (AAK1) is a 100 kDa intracellular kinase that binds and phosphorylates NUMB and the m2 subunit of AP2. NUMB and AP2 are adaptor proteins which are involved in the assembly and sorting of clathrin coated pits during receptor-mediated endocytosis. AAK1 contains one catalytic domain (aa 46-315) and a C-terminal clathrin-binding region. Alternate splicing of human AAK1 generates a 145 kDa long isoform that contains an additional clathrin-binding domain. Within aa 704-822, human AAK1 shares 95% aa sequence identity with mouse and rat AAK1.

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