

Anti-AAK1 Antibody

Catalog Number: A05368-2

About AAK1

Mediates cAMP-dependent signaling triggered by receptor binding to GPCRs. PKA activation regulates diverse cellular processes such as cell proliferation, the cell cycle, differentiation and regulation of microtubule dynamics, chromatin condensation and decondensation, nuclear envelope disassembly and reassembly, as well as regulation of intracellular transport mechanisms and ion flux. Regulates the abundance of compartmentalized pools of its regulatory subunits through phosphorylation of PJA2 which binds and ubiquitinates these subunits, leading to their subsequent proteolysis.

Beebe S.J., Mol. Endocrinol. 4:465-475(1990).

Gregory S.G., Nature 441:315-321(2006).

Wu K.-J., Oncogene 21:7872-7882(2002).

Overview

Product Name	Anti-AAK1 Antibody
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-AAK1 Antibody catalog # A05368-2. Tested in ELISA, IF, IHC, WB applications. This antibody reacts with Human, Monkey, Mouse, Rat.
Application	ELISA, IF, IHC, WB
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q2M2I8

Technical Details

Immunogen	Synthesized peptide derived from human AAK1
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB 1:500-1:2000</p> <p>IHC 1:100-1:300</p> <p>IF 1:200-1:1000</p> <p>ELISA 1:20000</p>

Anti-AAK1 Antibody (A05368-2) Images

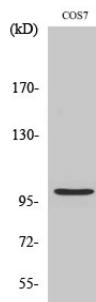


Figure 1. Western blotting validation for Anti-AAK1 Antibody A05368-2

Western Blot (WB) analysis of specific cells using AAK1 polyclonal antibody. Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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