

Datasheet for ABIN6699529
AATK Protein (GST tag)



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Overview

Quantity:	20 µg
Target:	AATK
Origin:	Mouse
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This AATK protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	AATK recombinant protein-GST fusion protein
Purification:	Recombinant mouse AATK (8-411) was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.
Purity:	>95%

Target Details

Target:	AATK
Alternative Name:	Aatk (AATK Products)
Background:	Synonyms: AATYK, LMTK1, KIAA0641, Serine/threonine-protein kinase LMTK1, Apoptosis-associated tyrosine kinase, Brain apoptosis-associated tyrosine kinase, CDK5-binding protein, Lemur tyrosine kinase 1, p35-binding protein, p35BP

Target Details

Background: AATK or apoptosis-associated tyrosine kinase contains a tyrosine kinase domain at the N-terminus and a proline-rich domain at the C-terminus. AATK is induced during apoptosis, and expression of this protein is a necessary pre-requisite for the induction of growth arrest and/or apoptosis of myeloid precursor cells (1). AATK is highly detected in brain, lung, kidney, and pancreas (2). AATK is also shown to produce neuronal differentiation in a neuroblastoma cell line. AATK Protein is ideal for investigators involved in Signaling Proteins , Cellular Proteins, Apoptosis/Autophagy, Cancer, and Cytoplasmic Tyrosine Kinase research.

NCBI Accession: [NM_007377](#)

Pathways: [RTK Signaling, Regulation of Cell Size](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized

Application_Note: AATK Protein is suitable for use in Western Blot. Expect a band approximately ~ 71 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.1 µg/µL

Buffer: AATK Protein is stored in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months