

Datasheet for ABIN747527

anti-PAK4 antibody (AA 501-591) (HRP)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	PAK4
Binding Specificity:	AA 501-591
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK4 antibody is conjugated to HRP
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PAK4
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Chicken, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PAK4
Alternative Name:	PAK4 (PAK4 Products)
Background:	Synonyms: p21 activated kinase 4, p21CDKN1A activated kinase 4, PAK 4, Protein kinase related to S.cerevisiae STE20 effector for Cdc42Hs, Serine threonine kinase PAK 4,

Target Details

Serine/threonine protein kinase PAK 4, Serine/threonine protein kinase PAK4, KIAA1142, PAK4_HUMAN.

Background: p21-activated kinases (PAKs) belong to the family of serine/threonine kinases involved in the control of various cellular processes, including the cell cycle, dynamics of the cytoskeleton, apoptosis, oncogenic transformation, and transcription. All PAK family members are characterized by the presence of p21-binding domain. p21-activated kinases are regulated by the small GTP-binding proteins Rac and Cdc42, and lipids, which stimulate autophosphorylation and phosphorylation of exogenous substrates. Serine (Ser-474) is the likely autophosphorylation site in the kinase domain of PAK4 in vivo. Phosphospecific directed against serine 474 detect activated PAK4 on the Golgi membrane when PAK4 is co-expressed with activated Cdc42. Current data strongly implicates PAK-4 in oncogenesis. PAK4 is frequently overexpressed in human tumor cell lines of various tissue origins.

Gene ID: 10298

Pathways: [RTK Signaling](#)

Application Details

Application Notes: ELISA 1:500-1000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: Gentamicin sulfate

Precaution of Use: This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months