

Product datasheet for **AP55829PU-S**

BUB1B-PAK6 pSer602/560 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1:500~1:1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of Serine 602/560(R-K-S(p)-L-V) derived from Human PAK5/6 (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of PAK5/6 only when phosphorylated at serine 602/560.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	75 kDa
Gene Name:	BUB1B-PAK6 readthrough
Database Link:	Entrez Gene 106821730 Human Q9NQU5



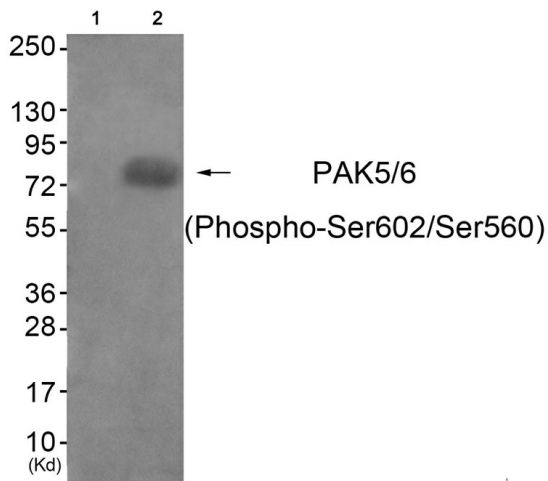
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Background:

This gene encodes a protein that shares a high degree of sequence similarity with p21-activated kinase (PAK) family members. The proteins of this family are Rac/Cdc42-associated Ste20-like Ser/Thr protein kinases, characterized by a highly conserved amino-terminal Cdc42/Rac interactive binding (CRIB) domain and a carboxyl-terminal kinase domain. PAK kinases are implicated in the regulation of a number of cellular processes, including cytoskeleton rearrangement, apoptosis and the MAP kinase signaling pathway. The protein encoded by this gene was found to interact with androgen receptor (AR), which is a steroid hormone-dependent transcription factor that is important for male sexual differentiation and development.

Synonyms:

p21-activated kinase 6, PAK-6

Product images:

Western blot analysis of extracts from HeLa cells (Lane 2), using PAK5/6 (Phospho-Ser602/Ser560) Antibody. The lane on the left is treated with antigen-specific peptide.