Immunotag™ PAK5/6 Antibody

Antibody Specification

Catalog No.	ITA2191
Product Description	Immunotag™ PAK5/6 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PAK5/6
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:1000, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human PAK5/6
Specificity	PAK5/6 Antibody detects endogenous levels of total PAK5/6
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	PAK5
Accession No.	Q9P286/Q9NQU5

Antibody Specification

Alternate Names	EC 2.7.11.1; KIAA1264; MGC26232; p21 activated kinase 7; p21 protein (Cdc42/Rac)-activated kinase 7; p21(CDKN1A) activated kinase 7; p21-activated kinase 5; p21-activated kinase 7; PAK 5; PAK 7; PAK-5; PAK-7; PAK5; PAK7; PAK7_HUMAN; Protein kinase PAK5; Serine/threonine protein kinase PAK 7; Serine/threonine-protein kinase PAK 7; CDKN1A activated kinase 6; EC 2.7.1.37; p21 activated protein kinase 6; p21 protein (Cdc42/Rac)-activated kinase 6; p21(CDKN1A) activated kinase 6; p21-activated kinase 6; p21activated kinase 6; PAK 5; PAK 6; PAK-5; PAK-6; PAK5; Pak6; PAK6_HUMAN; Serine threonine protein kinase PAK 6; Serine/threonine protein kinase PAK 6; Serine/threonine protein kinase PAK6; Serine/threonine-protein kinase PAK 6;
Description	Serine/threonine protein kinase that plays a role in a variety of different signaling pathways including cytoskeleton regulation, cell migration, proliferation or cell survival. Activation by various effectors including growth factor receptors or active CDC42 and RAC1 results in a conformational change and a subsequent autophosphorylation on several serine and/or threonine residues. Phosphorylates the proto-oncogene RAF1 and stimulates its kinase activity. Promotes cell survival by phosphorylating the BCL2 antagonist of cell death BAD. Phosphorylates CTNND1, probably to regulate cytoskeletal organization and cell morphology. Keeps microtubules stable through MARK2 inhibition and destabilizes the F-actin network leading to the disappearance of stress fibers and focal adhesions.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	75kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.