Data Sheet (Cat.No.TMAB-01481)

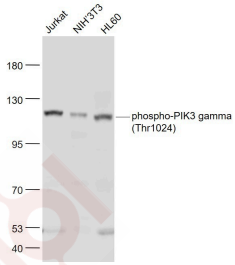
Anti-Phospho-PIK3CG (Thr1024) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 121 kDa. Actual: 121 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: Jurkat (Human) Cell Lysate at 30 µg NIH/3T3 (Mouse) Cell Lysate at 30 µg HL60 (Human) Cell Lysate at 30 µg Primary: Anti-phospho-PIK3 gamma (Thr1024) (TMAB-01481) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 121 kDa Observed band size: 121 kDa



Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthesised phosphopeptide: human PIK3 gamma around the phosphorylation site of Thr1024
Antigen Species:	Human
Gene ID:	5294
Uniprot ID:	P48736
Synonyms:	PIK3CG (p-Thr1024);Serine/threonine protein kinase PIK3CG;PI3K-gamma;Phosphoinositide-3-kinase catalytic gamma polypeptide;p-PIK3CG (Thr1024);p-PIK3CG (T1024); Phosphatidylinositol 4,5-bisphosphate 3-kinase 110 kDa catalytic subunit gamma (PtdIns-3-kinase subunit p110-gamma;p110gamma);p120-PI3K;PI3-kinase subunit gamma; Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform;PIK3CG; PtdIns-3-kinase subunit gamma;PI3Kgamma;5-bisphosphate 3-kinase catalytic subunit

gamma isoform;PIK3CG (p-T1024)

Research Background

This gene encodes a protein that belongs to the pi3/pi4-kinase family of proteins. The gene product is an enzyme that phosphorylates phosphoinositides on the 3-hydroxyl group of the inositol ring. It is an important modulator of extracellular signals, including those elicited by E-cadherin-mediated cell-cell adhesion, which plays an important role in maintenance of the structural and functional integrity of epithelia. In addition to its role in promoting assembly of adherens junctions, the protein is thought to play a pivotal role in the regulation of cytotoxicity in NK cells. The gene is located in a commonly deleted segment of chromosome 7 previously identified in myeloid leukemias. [provided by RefSeq, Jul 2008].

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