Protein Kinase B Gamma (PKBg) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Protein Kinase B Gamma (PKBg), Polyclonal Antibody
Full Product Name	PE-Linked Polyclonal Antibody to Protein Kinase B Gamma (PKBg)
Product Gene Name	anti-PKBg antibody
Product Synonym Names	PKBG; PRKB-G; AKT3; RAC-PK-Gamma; RAC-Gamma; STK2; RAC-Gamma Serine/Threonine-Protein Kinase; V-Akt Murine Thymoma Viral Oncogene Homolog 3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat, Pig
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: PKBg (MBS2003262) PE Conjugated Antibody: PKBg (MBS2041663)
Matching Pairs	PE Conjugated Antibody: PKBg (MBS2041663) Immunogen: PKBg (MBS2010380)
Molecular Weight	54,032 Da
OMIM	AF124141 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	PKBg (Asp46~Glu338)
Conjugation	PE
Cross Reactivity	Human, Rat
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2003262
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-PKBg antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-PKBg antibody	MBS2041663 is an antibody targeting PKBg. Also known as PE-Linked Polyclonal Antibody to Protein Kinase B Gamma (PKBg). Reactive in Human, Mouse, Rat, Pig. Host: Rabbit.
Other Notes	Small volumes of anti-PKBg antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PKBg. It may not necessarily be applicable to this product.

NCBI GI #	4757579
NCBI GeneID	10000
NCBI Accession #	AAD29089.1

UniProt Secondary Accession #	Q0VAA6; Q5VTI1; Q5VTI2; Q96QV3; Q9UFP5
UniProt Related Accession #	Q9Y243
NCBI Official Full Name	protein kinase B gamma
NCBI Official Synonym Full Names	AKT serine/threonine kinase 3
NCBI Official Symbol	AKT3
NCBI Official Synonym Symbols	MPPH; PKBG; MPPH2; PRKBG; STK-2; PKB-GAMMA; RAC-gamma; RAC-PK-gamma
UniProt Protein Name	RAC-gamma serine/threonine-protein kinase
UniProt Synonym Protein Names	Protein kinase Akt-3; Protein kinase B gamma; PKB gamma; RAC-PK-gamma; STK-2
UniProt Gene Name	AKT3
UniProt Synonym Gene Names	PKBG; PKB gamma
NCBI Protein Information	RAC-gamma serine/threonine-protein kinase
NCBI Summary for PKBg	The protein encoded by this gene is a member of the AKT, also called PKB, serine/threonine protein kinase family. AKT kinases are known to be regulators of cell signaling in response to insulin and growth factors. They are involved in a wide variety of biological processes including cell proliferation, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose uptake. This kinase has been shown to be stimulated by platelet-derived growth factor (PDGF), insulin, and insulin-like growth factor 1 (IGF1). Alternatively splice transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]
UniProt Comments for PKBg	Akt3: an AGC kinase that plays a critical role in controlling the balance between survival and apoptosis. Stimulated by platelet-derived growth factor, insulin, and insulin-like growth factor 1. Alternatively spliced isoforms have been described. Protein type: AGC group; AKT family; EC 2.7.11.1; Kinase, protein; Protein kinase, AGC; Protein kinase, Ser/Thr (non-receptor) Chromosomal Location of Human Ortholog: 1q43-q44 Cellular Component: cytoplasm; Golgi apparatus; intracellular; nucleoplasm; plasma membrane Molecular Function: ATP binding; protein binding; protein kinase activity; protein serine/threonine kinase activity Biological Process: mitochondrial genome maintenance; peptidyl-serine phosphorylation; protein amino acid phosphorylation; signal transduction Disease: Megalencephaly-polymicrogyria-polydactyly-hydrocephalus Syndrome 2
Research Articles on PKBg	**1.** The siRNA-induced AKT3 and PI3KCA mRNA knockdown.
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