PLGRKT Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PLGRKT, Polyclonal Antibody
Full Product Name	PLGRKT Antibody
Product Gene Name	anti-PLGRKT antibody
Product Synonym Names	AD025; Chromosome 9 open reading frame 46; FLJ14688; FLJ39176; Hypothetical protein LOC55848; MDS030; transmembrane protein C9orf46; Uncharacterized hematopoietic stem/progenitor cells protein MDS030
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Concentration	1mg/ml (lot specific)
Specificity	PLGRKT Antibody detects endogenous levels of PLGRKT.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	PLGRKT peptide (MBS9633526) is used for blocking the activity of PLGRKT antibody (MBS9631143)
Molecular Weight	92kD
Chromosome Location	Chromosome: 9; NC_000009.11 (5357966..5438381, complement). Location: 9p24.1
3D Structure	ModBase 3D Structure for Q9HBL7
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human PLGRKT.
Conjugation	Unconjugated
Subunit Structure	Interacts with PLAT and PLAUR.
Tissue Specificity	Expressed in peripheral blood cells and monocytes. Expressed in adrenal medulla.
Function	Receptor for plasminogen. Regulates urokinase plasminogen activator-dependent and stimulates tissue-type plasminogen activator-dependent cell surface plasminogen activation. Proposed to be part of a local catecholaminergic cell plasminogen activation system that regulates neuroendocrine prohormone processing. Involved in regulation of inflammatory response; regulates monocyte chemotactic migration and matrix metalloproteinase activation, such as of MMP2 and MMP9.
Note	Colocalizes on the cell surface with urokinase plasminogen activator surface receptor/PLAUR.
Product Categories/Family for anti-PLGRKT antibody	Cell membrane; Multi-pass membrane protein; Primary
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.

Applications Tested/Suitable for anti-PLGRKT antibody	ELISA (EIA)(peptide)
Application Notes for anti-PLGRKT antibody	ELISA(peptide): 1:20000-1:40000
Related Product Information for anti-PLGRKT antibody	MBS9631143 is an antibody targeting PLGRKT. Also known as PLGRKT Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-PLGRKT 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 PLGRKT. It may not necessarily be applicable to this product.

NCBI GI #	332635095
NCBI GeneID	55848
NCBI Accession #	NP_060935.2
UniProt Primary Accession #	Q9HBL7
UniProt Secondary Accession #	Q9NZ44; B2R6W0
UniProt Related Accession #	Q9HBL7
GenBank Nucleotide #	NM_018465.3
NCBI Official Full Name	plasminogen receptor (KT)
NCBI Official Synonym Full Names	plasminogen receptor, C-terminal lysine transmembrane protein
NCBI Official Symbol	PLGRKT
NCBI Official Synonym Symbols	AD025; MDS030; C9orf46; PLG-RKT; Plg-R(KT)
UniProt Protein Name	Plasminogen receptor (KT)
Protein Family	Plasminogen receptor
UniProt Gene Name	PLGRKT
UniProt Synonym Gene Names	C9orf46; Plg-R(KT)
UniProt Entry Name	PLRKT_HUMAN
NCBI Protein Information	plasminogen receptor (KT); plasminogen receptor (KT); 5033414D02Rik; transmembrane protein C9orf46; plasminogen receptor with a C-terminal lysine
UniProt Comments for PLGRKT	PLGRKT: Receptor for plasminogen. Regulates urokinase plasminogen activator-dependent and stimulates tissue-type plasminogen activator-dependent cell surface plasminogen activation. Proposed to be part of a local catecholaminergic cell plasminogen activation system that regulates neuroendocrine prohormone processing. Involved in regulation of inflammatory response; regulates monocyte chemotactic migration and matrix metallproteinase activation, such as of MMP2 and MMP9. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 9p24.1 Cellular Component: mitochondrion; integral to plasma membrane Biological Process: chemotaxis; inflammatory response
Research Articles on PLGRKT	**1.** Plg-R(KT) was highly expressed in bovine adrenomedullary chromaffin cells, human pheochromocytoma tissue, PC12 pheochromocytoma cells, and murine hippocampus.

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