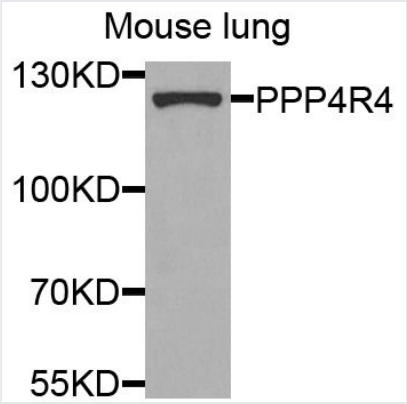
PPP4R4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PPP4R4, Polyclonal Antibody
Full Product Name	PPP4R4 Polyclonal Antibody
Product Gene Name	anti-PPP4R4 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Molecular Weight	99kDa
3D Structure	ModBase 3D Structure for Q6NUP7
Immunogen	Recombinant protein of human PPP4R4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PPP4R4 antibody	Western Blot (WB)
Application Notes for anti-PPP4R4 antibody	WB 1:500 - 1:2000
Related Product Information for anti-PPP4R4 antibody	The protein encoded by this gene is a HEAT-like repeat-containing protein. The HEAT repeat is a tandemly repeated, 37-47 amino acid long module occurring in a number of cytoplasmic proteins. Arrays of HEAT repeats form a rod-like helical structure and appear to function as protein-protein interaction surfaces. The repeat-containing region of this protein has some similarity to the constant regulatory domain of the protein phosphatase 2A PR65/A subunit. The function of this particular gene product has not been determined. Alternative splicing has been observed for this gene and two transcript variants encoding distinct isoforms have been identified.
Other Notes	Small volumes of anti-PPP4R4 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.
Searchable Terms for PPP4R4 purchase	MBS9128916 is an antibody targeting PPP4R4. Also known as PPP4R4 Polyclonal Antibody. Reactive in Mouse. Host: Rabbit.



Western Blot (WB) of anti-PPP4R4 antibody
Western blot analysis of extracts of mouse lung, using PPP4R4 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 30s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPP4R4. It may not necessarily be applicable to this product.

NCBI GI #	17402884
NCBI GeneID	57718
NCBI Accession #	NP_066009.2
UniProt Primary Accession #	Q6NUP7
UniProt Secondary Accession #	Q9BUF8; Q9HCF0
UniProt Related Accession #	Q6NUP7
GenBank Nucleotide #	NM_020958.2
NCBI Official Full Name	serine/threonine-protein phosphatase 4 regulatory subunit 4 isoform 2
NCBI Official Synonym Full Names	protein phosphatase 4, regulatory subunit 4
NCBI Official Symbol	PPP4R4
NCBI Official Synonym Symbols	PP4R4; CFAP14; KIAA1622
UniProt Protein Name	Serine/threonine-protein phosphatase 4 regulatory subunit 4
Protein Family	Serine/threonine-protein phosphatase
UniProt Gene Name	PPP4R4
UniProt Synonym Gene Names	KIAA1622; PP4R4
UniProt Entry Name	PP4R4_HUMAN
NCBI Protein Information	serine/threonine-protein phosphatase 4 regulatory subunit 4

UniProt Comments for PPP4R4	PPP4R4: Putative regulatory subunit of serine/threonine-protein phosphatase 4. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Protein phosphatase, regulatory subunit Chromosomal Location of Human Ortholog: 14q32.2 Cellular Component: protein serine/threonine phosphatase complex; cytoplasm Molecular Function: protein binding; protein phosphatase regulator activity Biological Process: negative regulation of phosphoprotein phosphatase activity
Research Articles on PPP4R4	**1.** PP4R4 forms a novel cytosolic complex with PP4c, independent from the complexes containing PP4R1, PP4R2.PP4R3, and alpha4, and the regulatory subunits of PP4c have evolved different modes of interaction with the catalytic subunit
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