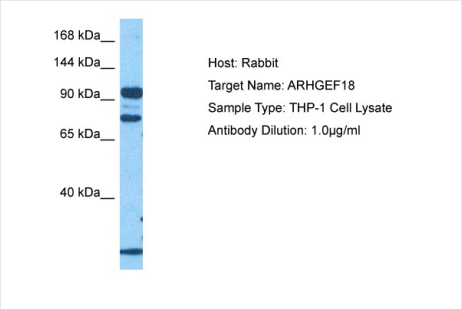
ARHGEF18 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ARHGEF18, Polyclonal Antibody
Full Product Name	ARHGEF18 Antibody - middle region
Product Gene Name	anti-ARHGEF18 antibody
Product Synonym Gene Name	P114-RhoGEF
Immunogen Sequence	Synthetic peptide located within the following region: EQERQRNFEK QREERAALEK LQSQLRHEQQ RWERERQWQH QELERAGARL
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 29% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	ARHGEF18 peptide (MBS3245865) is used for blocking the activity of ARHGEF18 antibody (MBS3221076)
Molecular Weight	111 kDa
3D Structure	ModBase 3D Structure for D6W646
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ARHGEF18
Product Categories/Family for anti-ARHGEF18 antibody	Polyclonal; Transcription Regulation; Protein Kinases; Growth Factors & Hormones; Cell Biology; Meiosis/Mitosis/Cell Cycle
Applications Tested/Suitable for anti-ARHGEF18 antibody	Western Blot (WB)
Related Product Information for anti-ARHGEF18 antibody	Rho GTPases are GTP binding proteins that regulate a wide spectrum of cellular functions. These cellular processes include cytoskeletal rearrangements, gene transcription, cell growth and motility. Activation of Rho GTPases is under the direct control of guanine nucleotide exchange factors (GEFs). The protein encoded by this gene is a guanine nucleotide exchange factor and belongs to the Rho GTPase GFE family. Family members share a common feature, a Dbl (DH) homology domain followed by a pleckstrin (PH) homology domain. Alternatively spliced transcript variants encoding different isoforms have been identified.
Other Notes	Small volumes of anti-ARHGEF18 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 ARHGEF18 purchase	MBS3221076 is an antibody targeting ARHGEF18. Also known as ARHGEF18 Antibody - middle region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-ARHGEF18 antibody
Host: RabbitTarget Name: ARHGEF18Sample Tissue: Human THP-1 Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARHGEF18. It may not necessarily be applicable to this product.

NCBI GI #	195972857
NCBI GeneID	23370
NCBI Accession #	NP_001124427.1
UniProt Primary Accession #	D6W646
UniProt Related Accession #	Q6ZSZ5
GenBank Nucleotide #	NM_001130955.1
NCBI Official Full Name	rho guanine nucleotide exchange factor 18 isoform b
NCBI Official Synonym Full Names	Rho/Rac guanine nucleotide exchange factor 18
NCBI Official Symbol	ARHGEF18
NCBI Official Synonym Symbols	RP78; SA-RhoGEF; p114RhoGEF; P114-RhoGEF
Protein Family	Rho guanine nucleotide exchange factor
NCBI Protein Information	rho guanine nucleotide exchange factor 18
NCBI Summary for ARHGEF18	Rho GTPases are GTP binding proteins that regulate a wide spectrum of cellular functions. These cellular processes include cytoskeletal rearrangements, gene transcription, cell growth and motility. Activation of Rho GTPases is under the direct control of guanine nucleotide exchange factors (GEFs). The protein encoded by this gene is a guanine nucleotide exchange factor and belongs to the Rho GTPase GEF family. Family members share a common feature, a Dbl (DH) homology domain followed by a pleckstrin (PH) homology domain. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Nov 2018]
Research Articles on ARHGEF18	**1.** ARHGEF18 rs3745357 variant is associated with nonidiopathic pulmonary arterial hypertension susceptibility in Chinese population.
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