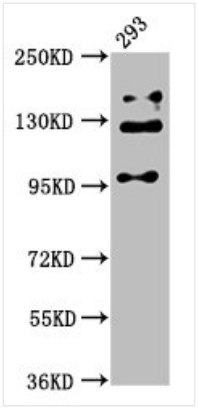
RAB3GAP2 Antibody – Rabbit Polyclonal

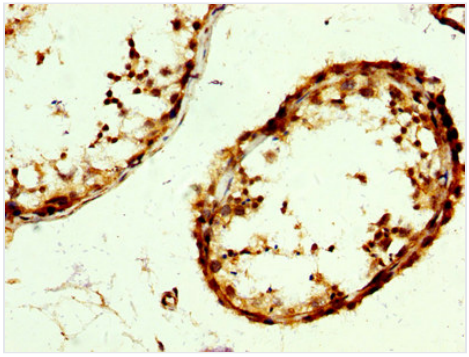
PRODUCT OVERVIEW

Product Name	RAB3GAP2, Polyclonal Antibody
Full Product Name	RAB3GAP2 Antibody
Product Gene Name	anti-RAB3GAP2 antibody
Product Synonym Names	Rab3 GTPase-activating protein non-catalytic subunit; RGAP-iso; Rab3 GTPase-activating protein 150 kDa subunit; Rab3-GAP p150; Rab3-GAP150; Rab3-GAP regulatory subunit; RAB3GAP2; KIAA0839
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: RAB3GAP2 (MBS7106593) HRP Conjugated Antibody: RAB3GAP2 (MBS7106594)
Matching Pairs	Unconjugated Antibody: RAB3GAP2 (MBS7106593) FITC Conjugated Antibody: RAB3GAP2 (MBS7106595)
Matching Pairs	Unconjugated Antibody: RAB3GAP2 (MBS7106593) Biotin Conjugated Antibody: RAB3GAP2 (MBS7106596)
Molecular Weight	23,361 Da
OMIM	AF004828 mRNA
3D Structure	ModBase 3D Structure for Q9H2M9
Immunogen	Recombinant Human Rab3 GTPase-activating protein non-catalytic subunit protein (277-387AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-RAB3GAP2 antibody	Neuroscience; Developmental biology; Signal transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RAB3GAP2 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-RAB3GAP2 antibody	WB: 1:500-1:5000 IHC: 1:200-1:500
Related Product Information for anti-RAB3GAP2 antibody	Regulatory subunit of a GTPase activating protein that has specificity for Rab3 subfamily (RAB3A, RAB3B, RAB3C and RAB3D). Rab3 proteins are involved in regulated exocytosis of neurotransmitters and hormones. Rab3 GTPase-activating complex specifically converts active Rab3-GTP to the inactive form Rab3-GDP. Required for normal eye and brain development. May participate in neurodevelopmental processes such as proliferation, migration and differentiation before synapse formation, and non-synaptic vesicular release of neurotransmitters.

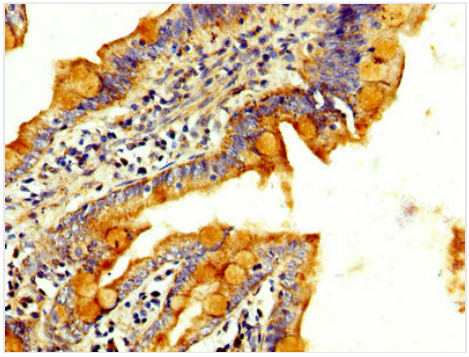
Other Notes	Small volumes of anti-RAB3GAP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RAB3GAP2 purchase	MBS7106593 is an antibody targeting RAB3GAP2. Also known as RAB3GAP2 Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-RAB3GAP2 antibody
Western BlotPositive WB detected in: 293 whole cell lysateAll lanes: RAB3GAP2 antibody at 5ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 156, 24 KDaObserved band size: 110, 130, 150 KDa



Immunohistochemistry (IHC) of anti-RAB3GAP2 antibody
IHC image of MBS7106593 diluted at 1:300 and staining in paraffin-embedded human testis tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry (IHC) of anti-RAB3GAP2 antibody
IHC image of MBS7106593 diluted at 1:300 and staining in paraffin-embedded human small intestine tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAB3GAP2. It may not necessarily be applicable to this product.

NCBI GI #	19923790
NCBI GeneID	25782
NCBI Accession #	NP_036546.2
UniProt Primary Accession #	Q9H2M9
UniProt Secondary Accession #	O75872; Q9HAB0; Q9UFJ7; Q9UQ15; A6H8V0
UniProt Related Accession #	Q9H2M9
GenBank Nucleotide #	NM_012414.3
NCBI Official Full Name	rab3 GTPase-activating protein non-catalytic subunit

NCBI Official Synonym Full Names	RAB3 GTPase activating non-catalytic protein subunit 2
NCBI Official Symbol	RAB3GAP2
NCBI Official Synonym Symbols	p150; SPG69; WARBM2; RAB3GAP150; RAB3-GAP150
UniProt Protein Name	Rab3 GTPase-activating protein non-catalytic subunit
UniProt Synonym Protein Names	RGAP-iso; Rab3 GTPase-activating protein 150 kDa subunit; Rab3-GAP p150; Rab3-GAP150; Rab3-GAP regulatory subunit
Protein Family	Rab3 GTPase-activating protein
UniProt Gene Name	RAB3GAP2
UniProt Synonym Gene Names	KIAA0839; Rab3-GAP150
NCBI Protein Information	rab3 GTPase-activating protein non-catalytic subunit
NCBI Summary for RAB3GAP2	The protein encoded by this gene belongs to the RAB3 protein family, members of which are involved in regulated exocytosis of neurotransmitters and hormones. This protein forms the Rab3 GTPase-activating complex with RAB3GAP1, where it constitutes the regulatory subunit, whereas the latter functions as the catalytic subunit. This gene has the highest level of expression in the brain, consistent with it having a key role in neurodevelopment. Mutations in this gene are associated with Martsolf syndrome.[provided by RefSeq, Oct 2009]
Research Articles on RAB3GAP2	**1.** show that FOXC1 regulates the expression of RAB3GAP1, RAB3GAP2 and SNAP25
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