RGN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RGN, Polyclonal Antibody
Full Product Name	RGN Antibody, HRP conjugated
Product Gene Name	anti-RGN antibody
Product Synonym Names	Regucalcin; RC; Gluconolactonase; GNL; Senescence marker protein 30; SMP-30; RGN; SMP30
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: RGN (MBS7104601) HRP Conjugated Antibody: RGN (MBS7104602)
Molecular Weight	24,968 Da
OMIM	D31815 mRNA
3D Structure	ModBase 3D Structure for Q15493
Immunogen	Recombinant Human Regucalcin protein (1-299AA)
Conjugation	HRP
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-RGN antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RGN antibody	ELISA (EIA)
Related Product Information for anti-RGN antibody	Gluconolactonase with low activity towards other sugar lactones, including gulonolactone and galactonolactone. Can also hydrolyze diisopropyl phosphorofluoridate and phenylacetate (in vitro). Calcium-binding protein. Modulates Ca(2+) signaling, and Ca(2+)-dependent cellular processes and enzyme activities (By similarity).
Other Notes	Small volumes of anti-RGN 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 RGN purchase	MBS7104602 is an antibody targeting RGN. Also known as RGN Antibody, HRP conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	544583589
NCBI GeneID	9104
NCBI Accession #	NP_001269777.1
UniProt Primary Accession #	Q15493
UniProt Secondary Accession #	Q53FC9; Q5JRR5; A4FTW1; A8K271
UniProt Related Accession #	Q15493
GenBank Nucleotide #	NM_001282848.1
NCBI Official Full Name	regucalcin isoform 2
NCBI Official Synonym Full Names	regucalcin
NCBI Official Symbol	RGN
NCBI Official Synonym Symbols	RC; GNL; SMP30; HEL-S-41
UniProt Protein Name	Regucalcin
UniProt Synonym Protein Names	Gluconolactonase (EC:3.1.1.17); GNL; Senescence marker protein 30; SMP-30
Protein Family	Regucalcin
UniProt Gene Name	RGN
UniProt Synonym Gene Names	SMP30; RC; GNL; SMP-30
NCBI Protein Information	regucalcin
NCBI Summary for RGN	The protein encoded by this gene is a highly conserved, calcium-binding protein, that is preferentially expressed in the liver and kidney. It may have an important role in calcium homeostasis. Studies in rat indicate that this protein may also play a role in aging, as it shows age-associated down-regulation. This gene is part of a gene cluster on chromosome Xp11.3-Xp11.23. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]
UniProt Comments for RGN	Gluconolactonase with low activity towards other sugar lactones, including gulonolactone and galactonolactone. Can also hydrolyze diisopropyl phosphorofluoridate and phenylacetate (in vitro). Calcium-binding protein. Modulates Ca2+ signaling, and Ca2+-dependent cellular processes and enzyme activities ().
Research Articles on RGN	**1.** These findings suggest that regucalcin may play a potential role as a suppressor of human lung cancer, and that downregulation of regucalcin expression may predispose patients to development of lung cancer.
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