AGR3 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	AGR3, Polyclonal Antibody
Full Product Name	AGR3 Polyclonal Antibody
Product Gene Name	anti-AGR3 antibody
Clonality	Polyclonal
Molecular Weight	19,171 Da
OMIM	609482
3D Structure	ModBase 3D Structure for Q8TD06
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-AGR3 antibody	MBS8521123 is an antibody targeting AGR3. Also known as AGR3 Polyclonal Antibody.
Other Notes	Small volumes of anti-AGR3 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 AGR3. It may not necessarily be applicable to this product.

NCBI GI #	28827801
NCBI GeneID	155465
NCBI Accession #	NP_789783.1
UniProt Primary Accession #	Q8TD06
UniProt Secondary Accession #	A4D120
UniProt Related Accession #	Q8TD06
GenBank Nucleotide #	NM_176813.4
NCBI Official Full Name	anterior gradient protein 3
NCBI Official Synonym Full Names	anterior gradient 3, protein disulphide isomerase family member
NCBI Official Symbol	AGR3
NCBI Official Synonym Symbols	AG3; AG-3; HAG3; hAG-3; BCMP11; PDIA18
UniProt Protein Name	Anterior gradient protein 3
UniProt Synonym Protein Names	Anterior gradient 3 homolog
Protein Family	Anterior gradient protein
UniProt Gene Name	AGR3
UniProt Synonym Gene Names	BCMP11; PDIA18; AG-3; AG3; hAG-3
NCBI Protein Information	anterior gradient protein 3

NCBI Summary for AGR3	This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, a catalytically active thioredoxin domain, and a C-terminal ER-retention sequence. This gene is expressed in ciliated airway epithelial cells and, in mouse, plays a role in ciliary beat frequency in multiciliated cells. This gene is also over-expressed in breast, ovarian, and prostrate cancers. [provided by RefSeq, Dec 2016]
UniProt Comments for AGR3	Required for calcium-mediated regulation of ciliary beat frequency and mucociliary clearance in the airway. Might be involved in the regulation of intracellular calcium in tracheal epithelial cells.
Research Articles on AGR3	**1.** transcriptionally activated in hepatitis C virus-infected cells by HCV NS5A
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