

ARG44619 anti-AGR3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes AGR3
Tested Reactivity	Hu
Tested Application	IHC-P, IP
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	AGR3
Species	Human
Conjugation	Un-conjugated
Alternate Names	AGR3; Anterior Gradient 3, Protein Disulphide Isomerase Family Member; BCMP11; PDIA18; HAG-3; Protein Disulfide Isomerase Family A, Member 18; Breast Cancer Membrane Protein 11; HAG3; Anterior Gradient Protein 3; AG-3; AG3; Anterior Gradient 3 Homolog (Xenopus Laevis); Anterior Gradient Protein 3 Homolog; Anterior Gradient Homolog 3; Anterior Gradient 3 Homolog

Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/mL
	IP	10 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Preservative	0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	AGR3
Gene Full Name	Anterior Gradient 3, Protein Disulphide Isomerase Family Member
Background	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 prostate cancers. [provided by RefSeq, Dec 2016]
Function	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. [UniProt]
Calculated Mw	19 kDa
Cellular Localization	Endoplasmic reticulum. [UniProt]