

AGR3 (Anterior Gradient Homolog 3; AGR3.4)

Catalogue No.	Pack Size
8004-3-20	20 µg
8004-3-100	100 µg

Product Description

AGR3, also known as Anterior Gradient Homolog 3 or Breast Cancer Membrane Protein 11 is a secreted cytoplasmic protein which is involved in metastasis induction and p53 tumour suppressor inhibition. AGR3 correlates positively with estrogen receptor expression and negatively with EGF receptor expression in breast cancer. It is expressed in nearly three-quarters of breast cancer cells, making it a promising therapeutic target. Functioning as a disulfide isomerase in the ER, AGR3 catalyzes protein folding. It's found in ciliated airway epithelial cells and influences ciliary beat frequency in mice. Additionally, AGR3 is overexpressed in breast, ovarian, and prostate cancers, suggesting its involvement in tumorigenesis across various tissues.

This antibody recognizes the epitope PLMII epitope of AGR3 and AGR2 proteins.

References:

Xu, Qiao et al. Cancer research and treatment vol. 52,1 (2020): 218-245.

Ye, Rui, Cuihong Wang, and Shuang Bai. Frontiers in Pharmacology 12 (2021): 669403.

Product Characteristics

Characteristic	Information
Host species	Mouse
Type	Monoclonal
Isotype	IgG1
Clone name	AGR3.4
Immunogen	AGR3
Species specificity	Human
Target Mw (kDa)	20

Supplied at 1mg/mL in 1x PBS with 0.01% sodium azide. Suitable for short term (2 – 3 months) storage at 4°C. Aliquot for long storage at -20°C. Avoid multiple freeze-thawing.

Product Application

AGR3.4 has been tested to work for the following applications:

- Western Blotting (WB)
- Immunohistochemistry (IHC)

Not tested for other applications.

Our recommended starting dilutions are:
1 µg/mL for WB and 5 µg/mL for IHC.

Technical support

If you are experiencing difficulties with using the reagent, please contact our team with relevant information at infoab@abasiabiolabs.com