

AM26017PU-N**Monoclonal Antibody to AGR3 - Aff - Purified**

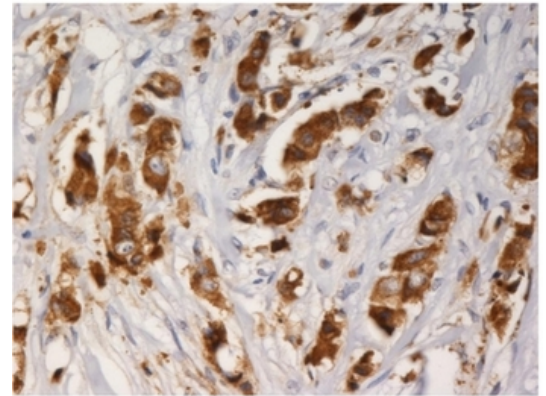
Alternate names:	Anterior gradient protein 3 homolog, BCMP11, HAG-3, HAG3, breast cancer membrane protein 11
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	AGR3 (Anterior Gradient 3) protein, also known as AG3 (hAG-3, HAG3 in human), or BCMP11, is a secreted cytoplasmic protein which is involved in metastasis induction and p53 tumour suppressor inhibition. It may serve as molecular marker and potential therapeutic target for hormone-responsive breast tumours. Its <i>Xenopus</i> homolog is associated with anteroposterior fate determination during early development.
Uniprot ID:	Q8TD06
NCBI:	9606
GeneID:	155465
Host / Isotype:	Mouse / IgG1
Clone:	AGR3.1
Immunogen:	Purified Human AGR3 protein.
Format:	State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Purification: Affinity Chromatography on Protein A Buffer System: PBS Preservatives: 15 mM Sodium Azide Stabilizers: 0.2% (w/v) high-grade protease free BSA
Applications:	Western blot: 1 µg/ml. <i>Positive Control:</i> T47D breast cancer cell line. <i>Negative Control:</i> H1299 lung carcinoma cell line. Immunohistochemistry on Paraffin Sections: 1 µg/ml. <i>Positive Tissue:</i> breast cancer. Immunohistochemistry on Frozen Sections: 1 µg/ml. <i>Positive Tissue:</i> breast cancer. Immunocytochemistry: 1 µg/ml. <i>Positive Control:</i> T47D breast cancer cell line. <i>Negative Control:</i> H1299 lung carcinoma cell line. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes the epitope HETTDKNLS within the AGR3 (AG3) protein (19-20 kDa), a secreted cytoplasmic protein which can serve as a marker of carcinogenesis. Species: Human. Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
 Avoid repeated freezing and thawing.
 Shelf life: one year from despatch.

General Readings:

1. Persson S, Rosenquist M, Knoblach B, Khosravi-Far R, Sommarin M, Michalak M. Diversity of the protein disulfide isomerase family: identification of breast tumor induced Hag2 and Hag3 as novel members of the protein family. *Mol Phylogenet Evol.* 2005 Sep;36(3):734-40. PubMed PMID: 15935701.
2. Fletcher GC, Patel S, Tyson K, Adam PJ, Schenker M, Loader JA, et al. hAG-2 and hAG-3, human homologues of genes involved in differentiation, are associated with oestrogen receptor-positive breast tumours and interact with metastasis gene C4.4a and dystroglycan. *Br J Cancer.* 2003 Feb 24;88(4):579-85. PubMed PMID: 12592373.

Pictures: Immunohistochemistry staining of AGR3 with Mouse monoclonal AGR3.1 in Paraffin-Embedded Sections of breast carcinoma.



Western blotting analysis of AGR3 protein by AGR3.1 and AGR3.2 antibody, and of AGR3 and AGR2 protein by AGR3.4 antibody in T47D breast cancer cell line compared to H1229 lung carcinoma cell line.

