

## Product datasheet for **AM26019PU-N**

### AGR3 Mouse Monoclonal Antibody [Clone ID: AGR3.4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	AGR3.4
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1 µg/ml; Positive control: T47D breast cancer cell line; Negative control: H1299 lung carcinoma cell line. <b>Immunocytochemistry:</b> 1 µg/ml; Positive control: T47D breast cancer cell line; Negative control: H1299 lung carcinoma cell line. <b>Immunohistochemistry on paraffin sections:</b> 1 µg/ml. <i>Positive control:</i> T47D breast cancer cell line. <i>Negative control:</i> H1299 lung carcinoma cell line.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified human AGR3 protein
Specificity:	This antibody recognizes the PLMII epitope of AGR3 (AG3) and AGR2 (AG2) proteins (19-20 kDa); secreted cytoplasmic proteins which can serve as markers of carcinogenesis.
Formulation:	Phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography (> 95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	anterior gradient 3, protein disulphide isomerase family member



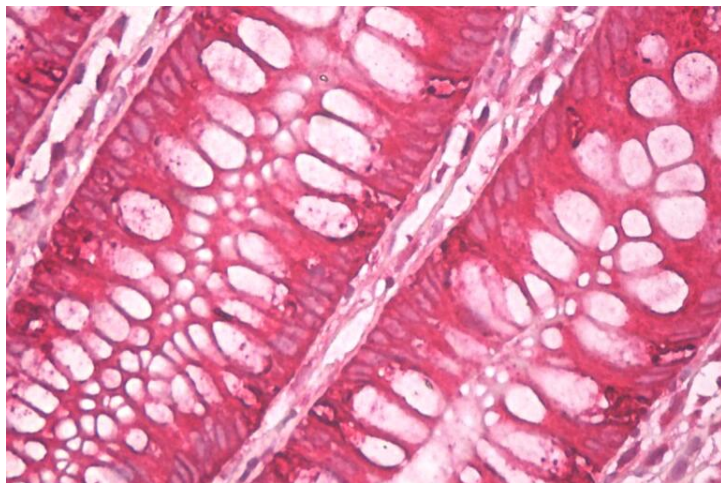
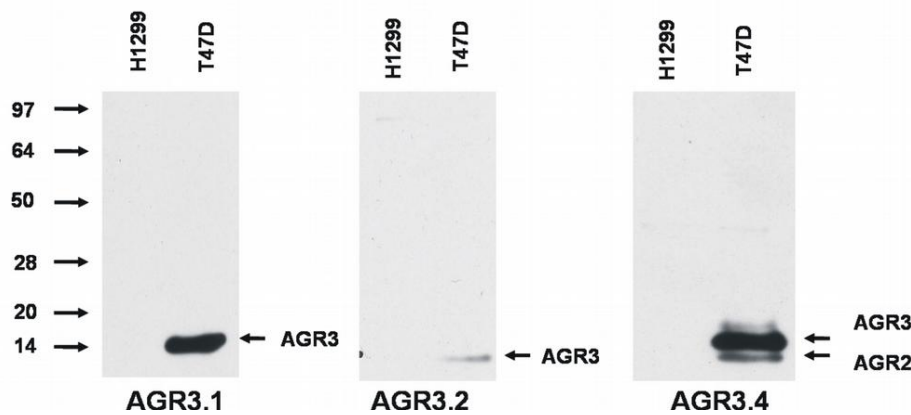
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Database Link: [Entrez Gene 155465 Human Q8TD06](#)

**Background:** AGR2 (Anterior Gradient 2), also known as AG2 (hAG-2, HAG2 in human), or GOB-4, and AGR3 (Anterior Gradient 3), also known as AG3 (hAG-3, HAG3 in human), or BCMP11, are secreted cytoplasmic proteins which are involved in metastasis induction and p53 tumour suppressor inhibition. They may serve as molecular markers and potential therapeutic targets for hormone-responsive breast tumours; AGR2 was reported also as a marker of other carcinomas. Xenopus homolog of these proteins is associated with anteroposterior fate determination during early development.

**Synonyms:** BCMP11, HAG3, HAG-3, HPC8, AG2

**Product images:**



Immunohistochemistry staining of human colon (paraffin sections) using anti-AGR2+AGR3 (clone AGR3.4).