

## ARG53742 anti-AGR2 + AGR3 antibody [AGR3.4]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [AGR3.4] recognizes AGR2 + AGR3
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Specificity	The clone AGR3.4 recognizes the PLMII epitope of AGR3 (AG3) and AGR2 (AG2) proteins (19-20 kDa); secreted cytoplasmic proteins which can serve as markers of carcinogenesis.
Host	Mouse
Clonality	Monoclonal
Clone	AGR3.4
Isotype	IgG1
Target Name	AGR2 + AGR3
Species	Human
Immunogen	Purified human AGR3 protein
Conjugation	Un-conjugated
Alternate Names	Anterior gradient protein 2 homolog; Secreted cement gland protein XAG-2 homolog; hAG-2; GOB-4; HAG-2; HPC8; PDIA17; HEL-S-116; AG-2; XAG-2; AG2

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1 µg/ml
	IHC-P	5 µg/ml
	WB	1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	WB and ICC/IF: Positive control: T47D. Negative control: H1299 IHC-P: Positive control: Human colon	

### Properties

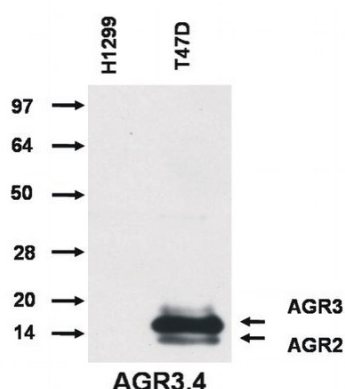
Form	Liquid
Purification	Purified from ascites by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide

Stabilizer	0.2% (w/v) high-grade protease free BSA
Concentration	1 mg/ml
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

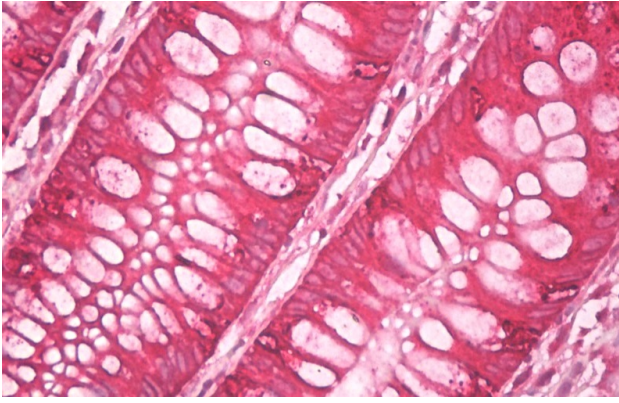
Database links	<a href="#">GeneID: 10551 Human</a> <a href="#">Swiss-port # O95994 Human</a>
Gene Symbol	AGR2
Gene Full Name	anterior gradient 2
Background	AGR2 (Anterior Gradient 2), also known as AG2 (hAG-2, HAG2 in human), or GOB-4, and AGR3 (Anterior Gradient 3), also known as AG3 (hAG-3, HAG3 in human), or BCMP11, are secreted cytoplasmic proteins which are involved in metastasis induction and p53 tumour supressor 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.
Function	Required for MUC2 post-transcriptional synthesis and secretion. May play a role in the production of mucus by intestinal cells (By similarity). Proto-oncogene that may play a role in cell migration, cell differentiation and cell growth. [UniProt]
Research Area	Cancer antibody; Signaling Transduction antibody
Calculated Mw	20 kDa

## Images



ARG53742 anti-AGR2 + AGR3 antibody [AGR3.4] WB image

Western blot: 1) H1229 cell lysate, and 2) T47D cell lysate stained with ARG53742 anti-AGR2 + AGR3 antibody [AGR3.4].



ARG53742 anti-AGR2 + AGR3 antibody [AGR3.4] IHC-P image

Immunohistochemistry: Human colon (paraffin sections) stained with ARG53742 anti-AGR2 + AGR3 antibody [AGR3.4].