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Datasheet for ABIN343713
anti-AGR2+AGR3 antibody

3 Images

Overview

Quantity:	0.1 mg
Target:	AGR2+AGR3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AGR2+AGR3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Purified human AGR3 protein
Clone:	AGR3-4
Isotype:	IgG1
Specificity:	The antibody 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.
Cross-Reactivity (Details):	Human, Other species Not tested
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

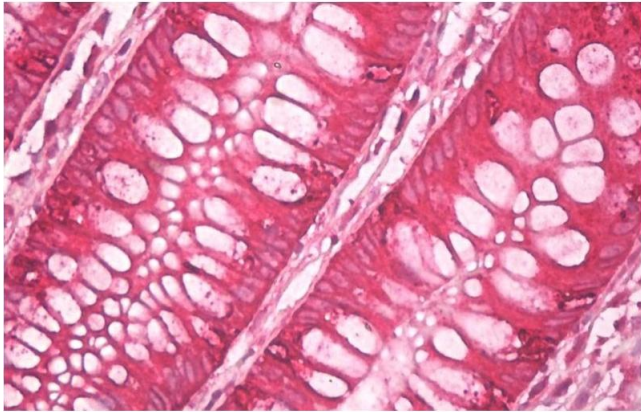
Target:	AGR2+AGR3
Abstract:	AGR2+AGR3 Products
Background:	AGR2 (Anterior Gradient 2), also known as AG2 (hAG-2, HAG2 in human), or GOB-4, and AGR3 (Anterior Gradient 3), also known as AG3 (hAG-3, HAG3 in human), or BCMP11, are secreted cytoplasmic proteins which are involved in metastasis induction 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.,AG2, AG3, HAG2, HAG3

Application Details

Application Notes:	Immunohistochemistry (paraffin sections): Recommended dilution: 5 µg/mL, Positive tissue: human colon. Western blotting: Recommended dilution: 1 µg/mL, positive control: T47D breast cancer cell line, negative control: H1299 lung carcinoma cell line. Immunocytochemistry: Recommended dilution: 1 µg/mL, positive control: T47D breast cancer cell line, negative control: H1299 lung carcinoma cell line.
Restrictions:	For Research Use only

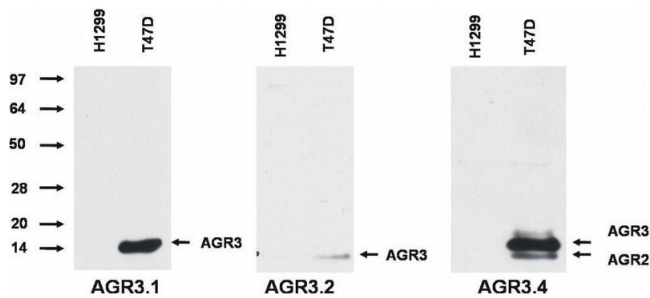
Handling

Concentration:	1 mg/mL
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



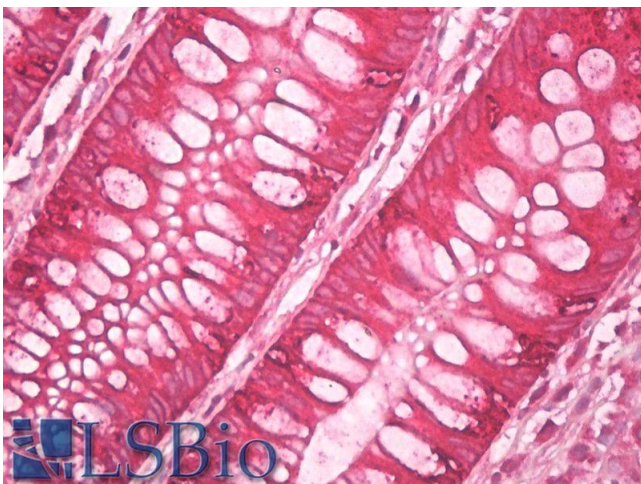
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry staining of human colon (paraffin sections) using anti-AGR2+AGR3 (clone AGR3.4).



Western Blotting

Image 2. 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.



Immunohistochemistry

Image 3. Immunohistochemistry staining of human colon (paraffin sections) using anti-AGR2+AGR3 (clone). Commercially tested by LifeSpan BioSciences.