

Anti-AGR3 Purified Monoclonal Antibody

Catalog Number: M05950

About AGR3

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 Xenopus homolog is associated with anteroposterior fate determination during early development.

Overview

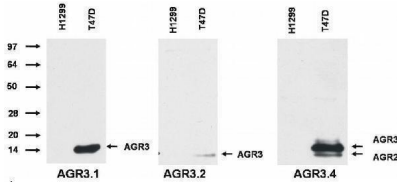
Product Name	Anti-AGR3 Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-AGR3 Purified Monoclonal Antibody (Catalog# M05950). Tested in WB, IHC-P, IHC-F, ICC application(s). This antibody reacts with Human.
Application	IHC-P, IHC-F, ICC, WB
Clonality	Monoclonal AGR3.1
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	Q8TD06

Technical Details

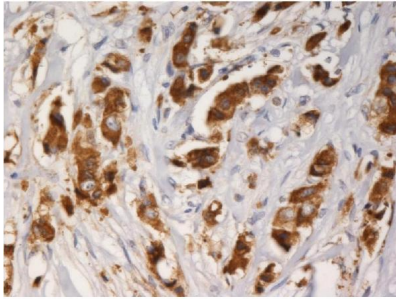
Immunogen	Purified human AGR3 protein. The antibody AGR3.1 recognizes the epitope HETTDKNLS within the AGR3 (AG3) protein (19-20 kDa); a secreted cytoplasmic protein which can serve as a marker of carcinogenesis.
Predicted Reactive Species	Primate
Cross Reactivity	Cross-reactivity with CLIC5b was not determined.
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Immunohistochemistry (paraffin sections): 1 ug/ml; positive tissue: breast cancer. Immunohistochemistry (frozen sections): 1 ug/ml; positive tissue: breast cancer.

Western blotting: 1 ug/ml; positive control: T47D breast cancer cell line, negative control: H1299 lung carcinoma cell line.
Immunocytochemistry: 1 ug/ml; positive control: T47D breast cancer cell line, negative control: H1299 lung carcinoma cell line.

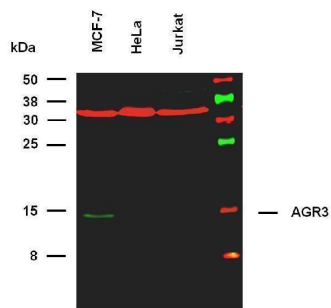
Anti-AGR3 Purified Monoclonal Antibody (M05950) Images



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 staining of AGR3 with mouse monoclonal AGR3.1 in paraffin-embedded sections of breast carcinoma.



Anti-Hu AGR3 Purified (clone AGR3.1) works in WB application. Western blotting analysis was performed on whole cell extracts (HOT lysis buffer) of MCF-7, HeLa, and Jurkat cell lines, mixed and heated (100°C, 5 min) with reducing SDS-loading buffer. Samples were resolved using 15% SDS-PAGE gel. Nitrocellulose membrane blot was probed with mouse IgG1 monoclonal antibody AGR3.1 (1 µg/ml), followed by IRDye 800CW Goat-anti-Mouse IgG (green). Multiplex fluorescent Western blot detection was performed. AGR3 molecules were detected at ~ 14 kDa in MCF-7 cell line.

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