

Product Datasheet

AG-2/AGR2 Antibody (1C3) - Azide and BSA Free H00010551-M03

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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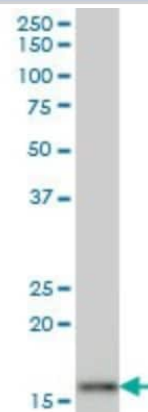
H00010551-M03

AG-2/AGR2 Antibody (1C3) - Azide and BSA Free

| Product Information | |
|------------------------------------|---|
| Unit Size | 0.1 mg |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 1C3 |
| Preservative | No Preservative |
| Isotype | IgG2b Kappa |
| Purity | Protein A purified |
| Buffer | In 1x PBS, pH 7.4 |
| Product Description | |
| Description | Novus Biologicals Mouse AG-2/AGR2 Antibody (1C3) - Azide and BSA Free (H00010551-M03) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-AG-2/AGR2 Antibody: Cited in 16 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Mouse |
| Gene ID | 10551 |
| Gene Symbol | AGR2 |
| Species | Human |
| Specificity/Sensitivity | AGR2 - anterior gradient 2 homolog (<i>Xenopus laevis</i>) |
| Immunogen | AGR2 (AAH15503.1, 1 a.a. ~ 175 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MEKIPVSFAFLLLVALSYTLARDTTVKPGAKKDTKDSRPKLPQTL SRGWGDQLIW TQTYEEALYKSKTSNKPLMIIHHLDECPHSQALKKVFAENKEIQKLAEQFVLLNL VYETTDKHLSPDGQYVPRIMFVDPSLTVRADITGRYSNRLYAYEPADTALLLDN MKKALKLLKTEL |
| Notes | This product is produced by and distributed for Abnova, a company based in Taiwan. |
| Product Application Details | |
| Applications | Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions | Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin |
| Application Notes | Antibody reactive against cell lysate, transfected lysate and recombinant protein for western blot. It has also been used for ELISA. |

Images

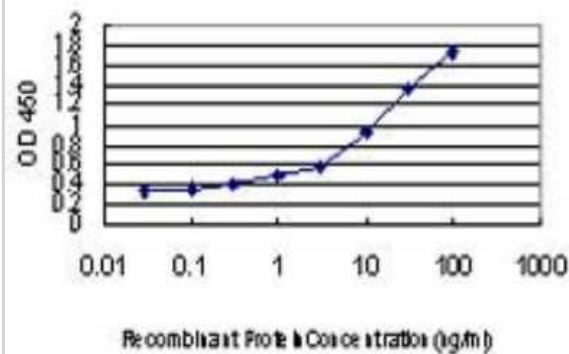
Western Blot: AG-2 Antibody (1C3) [H00010551-M03] - Analysis of AGR2 expression in MCF-7 (Cat # L046V1).



Western Blot: AG-2 Antibody (1C3) [H00010551-M03] - Analysis of AGR2 expression in transfected 293T cell line by AGR2 monoclonal antibody (M03), clone 1C3. Lane 1: AGR2 transfected lysate (20 KDa). Lane 2: Non-transfected lysate.



ELISA: AG-2 Antibody (1C3) [H00010551-M03] - Detection limit for recombinant GST tagged AGR2 is approximately 0.03ng/ml as a capture antibody.



Publications

Delphine F, Claire B, Ines B et al. Extracellular AGR2 triggers lung tumour cell proliferation through repression of p21 CIP1. *Biochim Biophys Acta Mol Cell Res.* 2020-12-02 [PMID: 33278424]

Amine M, Alice B, Cecile H et al. Anterior gradient protein 2 is a marker of tumor aggressiveness in breast cancer and favors chemotherapy-induced senescence escape. *Int J Oncol.* 2021-12-16 [PMID: 34913074]

Eric C, F B, Stephanie B et al. AGR2 protein expression in colorectal tumour epithelial compartment. *Gut.* 2022-12-09 [PMID: 36591613]

Hana C, Petr V, Veronika K et al. AGR2-AGR3 hetero-oligomeric complexes: Identification and characterization. *Bioelectrochemistry.* 2021-03-26 [PMID: 33848875]

Sommerova L, Ondrouskova E, Vojtesek B, Hrstka R et al. Suppression of AGR2 in a TGF-B-induced Smad regulatory pathway mediates epithelial-mesenchymal transition. *BMC Cancer* 2017-08-15 [PMID: 28810836]

Prochazkova I, Lenco J, Fucikova A et al. Targeted proteomics driven verification of biomarker candidates associated with breast cancer aggressiveness. *Biochim Biophys Acta* 2017-02-16 [PMID: 28216224]

Ahmad R, Nicora CD, Shukla AK et al. An efficient method for native protein purification in the selected range from prostate cancer tissue digests. *Chin Clin Oncol* 2016-12-02 [PMID: 28061542]

Ambolet-Camoit A, Bui LC, Pierre S et al. 2,3,7,8-Tetrachlorodibenzo-p-Dioxin Counteracts the p53 Response to a Genotoxicant by Upregulating Expression of the Metastasis Marker AGR2 in the Hepatocarcinoma Cell Line HepG2. *Toxicol Sci.* 2010-03-18 [PMID: 20299546]

Lepreux S, Bioulac-Sage P, Chevet E. Differential expression of the anterior gradient protein-2 is a conserved feature during morphogenesis and carcinogenesis of the biliary tree. *Liver Int.* 2011-01-21 [PMID: 21281432]

Darb-Esfahani S, Fritzsche F, Kristiansen G et al. Anterior gradient protein 2 (AGR2) is an independent prognostic factor in ovarian high-grade serous carcinoma. *Virchows Arch.* 2012-07-03 [PMID: 22752467]

Gray TA, Murray E, Nowicki MW et al. Development of a fluorescent monoclonal antibody-based assay to measure the allosteric effects of synthetic peptides on self-oligomerization of AGR2 protein. *Protein Sci.* 2013-06-18 [PMID: 23780840]

Riener MO, Thiesler T, Hellerbrand C et al. Loss of Anterior Gradient-2 expression is an independent prognostic factor in colorectal carcinomas. *Eur J Cancer.* 2014-04-30 [PMID: 24794000]

More publications at <http://www.novusbio.com/H00010551-M03>





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| | |
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| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB7539 | Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP] |
| NBP1-43317-0.5mg | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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