

Human Anterior Gradient 2 (AGR2) CLIA Kit | AGR2 clia kit

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CATALOG # AAA189083	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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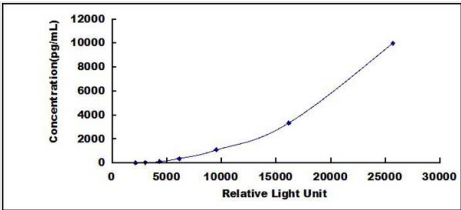
PRODUCT SYNONYMS

Anterior Gradient 2 (AGR2); Human Anterior Gradient 2 (AGR2) CLIA Kit; Anterior Gradient 2; GOB4; HAG2; XAG2; AG2; PDIA17; HPC8; Anterior Gradient Protein 2; Protein Disulfide Isomerase Family A; Member 17; Secreted cement gland protein XAG-2 homolog; AGR2 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Anterior Gradient 2 (AGR2). No significant cross-reactivity or interference between Anterior Gradient 2 (AGR2) and analogues was observed.
Sequence Length	175
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	13.7-10,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 5.5pg/mL
Applicable Applications for AGR2 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anterior Gradient 2 (AGR2) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Anterior Gradient 2 (AGR2) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Anterior Gradient 2 (AGR2). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Anterior Gradient 2 (AGR2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Anterior Gradient 2 (AGR2) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453541
NCBI Accession #	NP_006399.1
NCBI GenBank Nucleotide #	NP_006399.1
UniProt Accession #	O95994
NCBI Official Full Name	anterior gradient protein 2 homolog
UniProt Protein Name	Anterior gradient protein 2 homolog
UniProt Gene Name	AGR2
UniProt Synonym Gene Names	AG2; AG-2; hAG-2
UniProt Entry Name	AGR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/anterior-gradient-2-agr2/189083>