

Human Anterior Gradient Protein 2 Homolog (AGR2) ELISA Kit | AGR2 elisa kit

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CATALOG # AAA331150	REACTIVITY Human
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PRODUCT SYNONYMS

Anterior Gradient Protein 2 Homolog (AGR2); Human Anterior Gradient Protein 2 Homolog (AGR2) ELISA Kit; AGR2; AG2; GOB-4; HAG-2; PDIA17; XAG-2; anterior gradient 2 homolog; protein disulfide isomerase family A; member 17; secreted cement gland homolog; AGR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Anterior gradient protein 2 homolog (AGR2) ELISA Kit has high sensitivity and excellent specificity for detection of Human AGR2. No significant cross-reactivity or interference between Human AGR2 and analogues was observed.
Sequence Length	175
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Anterior gradient protein 2 homolog (AGR2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for AGR2 elisa kit	Description: This Human Anterior gradient protein 2 homolog (AGR2) ELISA Kit employs a two-site sandwich ELISA to quantitate AGR2 in samples. An antibody specific for AGR2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AGR2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AGR2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of AGR2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Anterior gradient homolog 2 (AGR2) is a human protein originally discovered in <i>Xenopus laevis</i>, encoded for by the gene of the same name. In <i>Xenopus</i> AGR2 plays a role in cement gland differentiation, however in human cancer cell lines high levels of AGR2 correlate with downregulation of the p53 response and AGR2 levels are elevated in the preneoplastic tissue Barrett's oesophagus. The deduced 175-amino acid soluble AGR2 protein, which is 91% identical to the mouse protein and 47% identical to the frog protein, contains a signal peptide. Northern blot analysis revealed strongest expression of 0.9- and 1.6-kb AGR2 transcripts in lung and in all ER-positive breast carcinoma lines tested; weaker expression was detected in pancreas.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453541
NCBI GeneID	10551
NCBI Accession #	NP_006399.1
NCBI GenBank Nucleotide #	NP_006399.1
UniProt Accession #	O95994
NCBI Official Full Name	anterior gradient protein 2 homolog
NCBI Official Synonym Full Names	anterior gradient 2, protein disulphide isomerase family member
NCBI Official Symbol	AGR2
NCBI Official Synonym Symbols	AG2; AG-2; HPC8; GOB-4; HAG-2; XAG-2; PDIA17; HEL-S-116
NCBI Protein Information	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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/anterior-gradient-protein-2-homolog-agr2/331150>