Anti-Anterior gradient 3 [AGR3.1]

Catalogue number: 162063
Sub-type: Primary antibody
Images:

Contributor

Inventor:
Institute: Moravian Biotechnology
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Anterior gradient 3 [AGR3.1]

Alternate name:

Class: Monoclonal
Conjugate: Unconjugated
Description: Antibody created to detect the endogenous AGR3 protein in both cytosolic and membrane fractions of breast cancer cells (with higher affinity than the AGR3.2 antibody). Binding specificity: Human AGR3 protein. Epitope HETTDKNLS (determined using pepscan).
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG1 kappa
Reactivity: Human
Selectivity:
Host: Mouse
Immunogen: Purified human AGR3 protein
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details: B cell donor: Splenocytes from mouse immunised with purified AGR3 protein, fusion partner: SP2
Formulation:
Recommended controls:
Bacterial resistance:

Selectable markers:
Additional notes:

Target details

Target: Anterior gradient 3

Target alternate names:

Target background: AGR3 (Anterior Gradient 3) is a human homologue of the XAG-2 protein expressed in Xenopus laevis, which was identified in a study analyzing mRNA expression in ER-positive breast cancer-derived cell lines. The coding sequence of the AGR3 protein is located on the chromosome at position 7p21. AGR3 expression in ovarian cancer is independent of oestrogen-receptor expression, which is distinct from the oestrogen-receptor dependent expression of AGR3 in breast cancers. Isogenic cancer cell models were created that over-express AGR3 and these demonstrated that AGR3 mediates cisplatin-resistance in mouse xenografts. These data indicate that AGR3 is over-expressed by a hormone (oestrogen-receptor ?)-independent mechanism and identify a novel protein-folding associated pathway that could mediate resistance to DNA-damaging agents in human cancers.

Molecular weight: Calculated: 19,6 kDa; SDS-PAGE mobility (reduced): 19-20 kDa.

Ic50:

Applications

Application:
Application notes:

Handling

Format: Liquid
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions:

Related tools

Related tools:

References

References: