

Product Information

Recombinant Human Anti-Human AGR2 Monoclonal Antibody

Cat. No.: **HOM-19212**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant humanized antibody expressed in CHO binding to human AGR2.

Antigen Description

Anterior gradient protein 2 homolog (AGR-2), also known as secreted cement gland protein XAG-2 homolog, is a protein that in humans is encoded by the AGR2 gene. Anterior gradient homolog 2 was originally discovered in *Xenopus laevis*. In *Xenopus* AGR2 plays a role in cement gland differentiation, but in human cancer cell lines high levels of AGR2 correlate with downregulation of the p53 response, cell migration, and cell transformation. However, there have been other observations that AGR2 can repress growth and proliferation.

Target

AGR2

Species Reactivity

Human

Type

Human IgG

Expression Host

CHO

Clone

Monoclonal

Purity

>95.0% as determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

ELISA, WB, IHC, FCM, IP, IF. Optimal dilutions/concentrations should be determined by the end user.

Molecular Weight

145.41 kDa

Stability

Samples are stable for up to twelve months from date of receipt at -20 °C and are stable for six months at 4 °C.

Storage

Store it under sterile conditions at -20 °C upon receiving. Recommend to pack the antibody into smaller quantities for optimal storage.

Ship

2-8°C, BLUE ICE

ANTIGEN GENE INFORMATION

Gene Name

[AGR2 anterior gradient 2 homolog \(Xenopus laevis\) \[Homo sapiens \]](#)

Official Symbol

AGR2

Synonyms

AGR2; anterior gradient 2 homolog (Xenopus laevis); anterior gradient protein 2 homolog; AG2; HAG 2; PDIA17; protein disulfide isomerase family A; member 17; XAG 2; AG-2; HPC8; anterior gradient homolog 2; secreted cement gland homolog; secreted cement gland protein XAG-2 homolog; protein disulfide isomerase family A, member 17; GOB-4; HAG-2; XAG-2;

Gene ID

[10551](#)

mRNA Refseq

[NM_006408](#)

Protein Refseq

[NP_006399](#)

MIM

[606358](#)

UniProt ID

O95994

Chromosome Location

7p21.3

Function

alpha-dystroglycan binding; protein binding;