

Anti-GW182 [4B6]

Catalogue number: 157878

Sub-type:

Images:

Contributor

Inventor: Martin Fritzler

Institute: University of Calgary

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-GW182 [4B6]

Alternate name: Rinucleotide repeat containing 6A, GW1; GW182; TNRC6; CAGH26

Class: Monoclonal

Conjugate: Unconjugated

Description: RNA-mediated gene silencing or RNA interference (RNAi) is a key mechanism for controlling mRNA abundance. The RNA-induced silencing complex, or RISC, is a multiprotein complex that incorporates a small interfering RNA (siRNA) or micro RNA (miRNA). Once the RISC associates with its RNA target, it is cleaved by the endonuclease Argonaute 2 (Ago2), resulting in loss of gene function. GW182 is an RNA-binding protein involved in mRNA metabolism and it is localized to cytoplasmic storage centres known as GW bodies (GWBs). GWBs are also enriched in proteins that are involved in mRNA degradation such as Ago2, and GW182 is thought to contribute and maintain the microenvironment of the RISC.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity: Human ; Rabbit

Selectivity:

Host: Mouse

Immunogen: Recombinant protein

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: IgG1

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: GW182

Target alternate names:

Target background: RNA-mediated gene silencing or RNA interference (RNAi) is a key mechanism for controlling mRNA abundance. The RNA-induced silencing complex, or RISC, is a multiprotein complex that incorporates a small interfering RNA (siRNA) or micro RNA (miRNA). Once the RISC associates with its RNA target, it is cleaved by the endonuclease Argonaute 2 (Ago2), resulting in loss of gene function. GW182 is an RNA-binding protein involved in mRNA metabolism and it is localized to cytoplasmic storage centres known as GW bodies (GWBs). GWBs are also enriched in proteins that are involved in mRNA degradation such as Ago2, and GW182 is thought to contribute and maintain the microenvironment of the RISC.

Molecular weight: 182

Ic50:

Applications

Application: IF ; WB

Application notes:

Handling

Format: Liquid
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Nozawa et al. 2009. Cell Biol Int. 33(2):148-57. PMID: 19000931.