

À des fins de recherche uniquement

# Anticorps Monoclonal anti-AGO2

Numéro de catalogue: 60026-1-Ig



## Informations de base

<b>Numéro de catalogue:</b> 60026-1-Ig	<b>Numéro d'acquisition GenBank:</b> BC007633	<b>Méthode de purification:</b> Précipitation de l'acide caprylique/du sulfate d'ammonium
<b>Taille:</b> 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	<b>Identification du gène (NCBI):</b> 27161	<b>CloneNo.:</b> 2D11C11
<b>Hôte:</b> Mouse	<b>Nom complet:</b> eukaryotic translation initiation factor 2C, 2	<b>Dilutions recommandées:</b> WB 1:500-1:1000
<b>Isotype:</b> IgG1	<b>MW calculé</b> 97 kDa	
<b>Immunogen Catalog Number:</b> AG1032		

## Applications

<b>Applications testées:</b> WB, ELISA	<b>Contrôles positifs:</b> WB : Human placenta,
<b>Spécificité de l'espèce:</b> Humain	

## Informations générales

Required for RNA-mediated gene silencing (RNAi) by the RNA-induced silencing complex (RISC). The 'minimal RISC' appears to include EIF2C2/AGO2 bound to a short guide RNA such as a microRNA (miRNA) or short interfering RNA (siRNA). These guide RNAs direct RISC to complementary mRNAs that are targets for RISC-mediated gene silencing. The precise mechanism of gene silencing depends on the degree of complementarity between the miRNA or siRNA and its target. Binding of RISC to a perfectly complementary mRNA generally results in silencing due to endonucleolytic cleavage of the mRNA specifically by EIF2C2/AGO2. Binding of RISC to a partially complementary mRNA results in silencing through inhibition of translation, and this is independent of endonuclease activity. May inhibit translation initiation by binding to the 7-methylguanosine cap, thereby preventing the recruitment of the translation initiation factor eIF4-E. May also inhibit translation initiation via interaction with EIF6, which itself binds to the 60S ribosomal subunit and prevents its association with the 40S ribosomal subunit. The inhibition of translational initiation leads to the accumulation of the affected mRNA in cytoplasmic processing bodies (P-bodies), where mRNA degradation may subsequently occur. In some cases RISC-mediated translational repression is also observed for miRNAs that perfectly match the 3' untranslated region (3'-UTR). Can also upregulate the translation of specific mRNAs under certain growth conditions. Binds to the AU element of the 3'-UTR of the TNF (TNF-alpha) mRNA and upregulates translation under conditions of serum starvation. Also required for transcriptional gene silencing (TGS), in which short RNAs known as anti-sense RNAs or agRNAs direct the transcriptional repression of complementary promoter regions.

## Stockage

**Stockage:**  
Stocker à -20°C. Stable pendant un an après l'expédition.  
**Tampon de stockage:**  
PBS avec azoture de sodium à 0,1 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

