

Product Datasheet

AGO2 (N2) Antibody, Rabbit Polyclonal (orb67055)

Description	Rabbit polyclonal to AGO2. Protein argonaute-2 (AGO2) is also known as Eukaryotic translation initiation factor 2C 2 (EIF2C2), which is 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. Binding of RISC to a perfectly complementary mRNA generally results in silencing due to endonucleolytic cleavage of the mRNA specifically by EIF2C2/AGO2. 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.
Species/Host	Rabbit
Reactivity	Human, Mouse
Conjugation	Unconjugated
Tested Applications	WB
Immunogen	N-terminal region of human AGO2
Preservatives	0.01% NaN ₃
Storage	-20°C
Note	For research use only
Clonality	Polyclonal
Purity	Affinity purification
MW	97
Uniprot ID	Q9UKV8
Dilution Range	WB: 1:1000-1:5000

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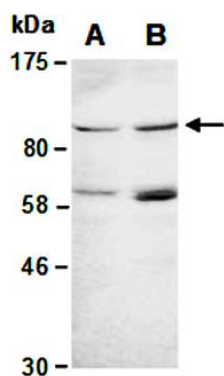
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Expiration Date

12 months from date of receipt.



Western blot analysis of total cell extracts from human HeLa (Lane1) and mouse MEF (Lane2) using AGO2 antibody

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