

Product Datasheet

AGO1/EIF2C1 Antibody NB100-2817

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Reviews: 1 Publications: 6

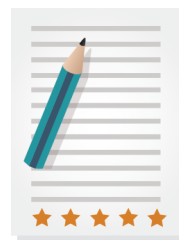
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NB100-2817

AGO1/EIF2C1 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

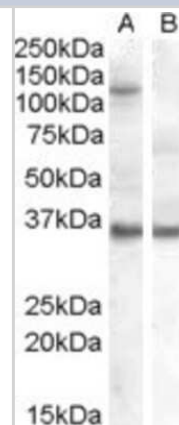
Product Description	
Host	Goat
Gene ID	26523
Gene Symbol	AGO1
Species	Human
Specificity/Sensitivity	This product is not expected to cross-react with EIF2C2, EIF2C3 and EIF2C4.
Immunogen	Peptide with sequence C-KNASYNLDPYIQEF corresponding to internal region according to NP_036331.1.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.3 - 1 ug/mL, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 2.5 ug/mL, Peptide ELISA Detection limit 1:16000
Application Notes	Use in Immunocytochemistry/Immunofluorescence reported in scientific literature (PMID:32812257)WB: In transfected HEK293 transiently expressing human EIF2C1bands of approx. 110 Knockdown Validateda band and 35 Knockdown Validateda band are observed. The 110 Knockdown Validateda band is not observed in the non-transfected HEK293. The calculated molecular size is 97.2 Knockdown Validateda band according to NP_036331.1

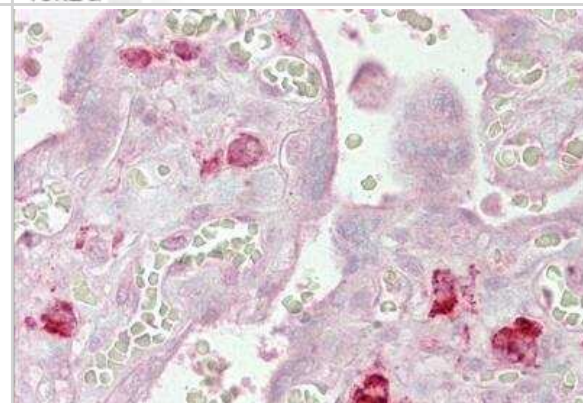


Images

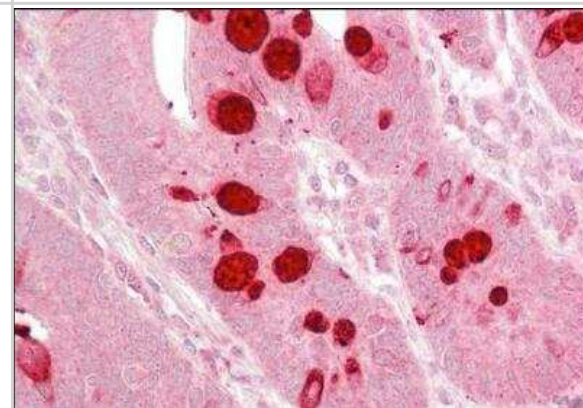
Western Blot: AGO1/EIF2C1 Antibody [NB100-2817] - HEK293 overexpressing AGO1/EIF2C1 and probed with NB100-2817 (non-transfected HEK293 in lane B).



Immunohistochemistry-Paraffin: AGO1/EIF2C1 Antibody [NB100-2817] - Staining of paraffin embedded Human Placenta. Antibody at 2.5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: AGO1/EIF2C1 Antibody [NB100-2817] - Staining of paraffin embedded Human Small Intestine. Antibody at 2.5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Publications

Lekha E Manjunath, Anumeha Singh, Sangeetha Devi Kumar, Kirtana Vasu, Debaleena Kar, Karthi Sellamuthu, Sandeep M Eswarappa Transcript-specific induction of stop codon readthrough using a CRISPR-dCas13 system EMBO Reports 2024-03-18 [PMID: 38499809]

Manjunath L, Singh A, Kar D et al. Transcript-specific induction of stop codon readthrough using CRISPR-dCas13 system bioRxiv 2023-03-09 (Western Blot)

Ghosh S, Guimaraes JC, Lanzafame M et al. Prevention of dsRNA-induced interferon signaling by AGO1x is linked to breast cancer cell proliferation EMBO J. 2020-08-19 [PMID: 32812257] (WB, ICC/IF, Human)

Gregory RI, Chendrimada TP, Cooch N, Shiekhattar R. Human RISC couples microRNA biogenesis and posttranscriptional gene silencing. Cell 2005-11-18 [PMID: 16271387]

Infante T, Mancini FP, Lanza A et al. Polycomb YY1 is a critical interface between epigenetic code and miRNA machinery after exposure to hypoxia in malignancy Biochim. Biophys. Acta. 2015-01-30 [PMID: 25644713] (WB, Human)

Ho JJ, Metcalf JL, Yan MS et al. Functional importance of dicer protein in the adaptive cellular response to hypoxia J Biol Chem 2012-08-17 [PMID: 22745131] (WB, Human)





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Products Related to NB100-2817

NBL1-10182	AGO1/EIF2C1 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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