

Rabbit anti-Human Arglu1 Polyclonal Antibody | anti-Arglu1 antibody

Anti-Arglu1 Antibody, Rabbit Polyclonal

CATALOG # AAA258976	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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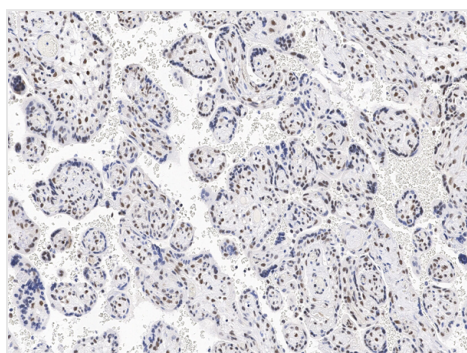
PRODUCT SYNONYMS

Arglu1; Polyclonal Antibody; Anti-Arglu1 Antibody; Rabbit Polyclonal; anti-Arglu1 antibody

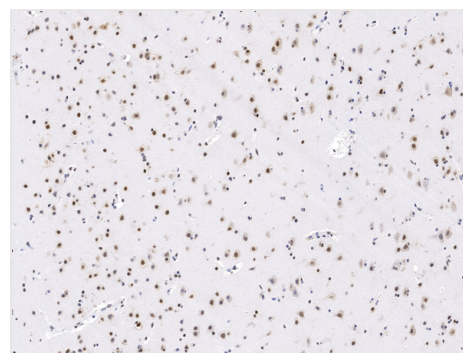
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Arglu1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-Arglu1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived Human Arglu1 fragment
Preparation	Produced in rabbits immunized with E coli-derived Human Arglu1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

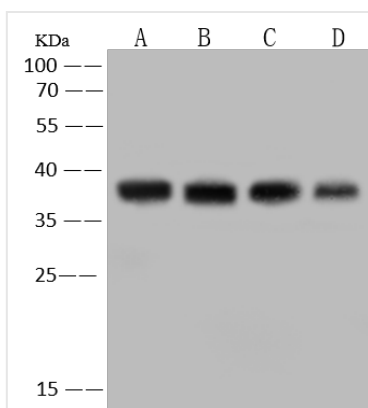
IMAGES


IHC (Immunohistochemisry)

Immunochemical staining of human Arglu1 in human placenta with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.


IHC (Immunohiostchemistry)

Immunochemical staining of human Arglu1 in human brain with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-Arglu1 rabbit polyclonal antibody at 1:500 dilution
 Lane A: A549 Whole Cell Lysate
 Lane B: HL60 Whole Cell Lysate
 Lane C: 293 Whole Cell Lysate
 Lane D: Jurkat Whole Cell Lysate
 Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 33 kDa Observed band size: 38 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-Arglu1 antibody	Arginine and glutamate rich 1 (ARGLU1) is a highly evolutionarily conserved transcriptional coactivator and RNA splicing modulator. The ARGLU1 gene expresses at least three distinct RNA splice isoforms-a fully spliced isoform coding for the protein, an isoform containing a retained intron that is detained in the nucleus, and an isoform containing an alternative exon that targets the transcript for nonsense mediated decay. Furthermore, ARGLU1 contains a long, highly evolutionarily conserved sequence known as an Ultraconserved Element (UCE) that is within the retained intron and overlaps the alternative exon. Loss of ARGLU1 is embryonic lethal in mice, and knockdown in zebrafish causes neurodevelopmental and heart defects. ARGLU1 is a novel factor for embryonic development that modulates basal transcription and alternative splicing in neural cells with consequences for glucocorticoid signaling.
References	Zhang D, et al. (2011) Arginine and glutamate-rich 1 (arglu1) interacts with mediator subunit 1 (med1) and is required for estrogen receptor-mediated gene transcription and breast cancer cell growth. J Biol Chem 286 (20): 17746-17754. Pirnie SP, et al. (2017) An ultraconserved element (uce) controls homeostatic splicing of arglu1 mrna. Nucleic Acids Res 45 (6): 3473-3486. Magomedova L, et al. (2019) Arglu1 is a transcriptional coactivator and splicing regulator important for stress hormone signaling and development. Nucleic Acids Res 47 (6): 2856-2870.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/polyclonal/arglu1-antibody-immunohistochemistry-western-blot-elisa/258976>