

Rabbit anti-Human Folate Receptor 4 Polyclonal Antibody | anti-IZUMO1R antibody

Anti-Folate Receptor 4 Antibody, Rabbit Polyclonal

CATALOG # AAA254817	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

Folate Receptor 4; Polyclonal Antibody; Anti-Folate Receptor 4 Antibody; Rabbit Polyclonal; FOLR4/Folate Receptor 4 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-Folbp3 Antibody; Anti-FOLR4 Antibody; Anti-JUNO Antibody; anti-IZUMO1R antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human FOLR4/Folate Receptor 4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-IZUMO1R antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human FOLR4/Folate Receptor 4
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human FOLR4/Folate Receptor 4, 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. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-FOLR4 rabbit polyclonal antibody at 1:500 dilution Lane A: MCF7 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti- Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 29 kDa Observed band size: 35 kDa (We are unsure as to the identity of these extra bands).



IP (Immunoprecipitation)

FOLR4 was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate 4 uL anti-FOLR4 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-FOLR4 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 28 kDa Observed band size: 34 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-IZUMO1R antibody	IZUMO1R (IZUMO1 Receptor, JUNO) is a Protein Coding gene. The sperm protein IZUMO1 (Izumo sperm-egg fusion 1) and its binding partner on the oolemma, IZUMO1R, are among the first ligand-receptor pairs shown to be essential for gamete recognition and adhesion. Receptors for IZUMO1 present at the cell surface of oocytes (oolemma), which is essential for species-specific gamete recognition and fertilization. The IZUMO1:IZUMO1R/JUNO interaction is a necessary adhesion event between sperm and egg that is required for fertilization but is not sufficient for cell fusion. The ligand-receptor interaction probably does not act as a membrane 'fusogen'. Does not bind folate. Diseases associated with IZUMO1R include Lung Acinar Adenocarcinoma and Intravascular Fasciitis.
References	Yu M, et al. (2018) Mutational analysis of izumo1r in women with fertilization failure and polyspermy after in vitro fertilization. J Assist Reprod Genet 35 (3): 539-544.Kato K, et al. (2016) Structural and functional insights into izumo1 recognition by juno in mammalian fertilization. Nat Commun 7 12198.Gaikwad AS, et al. (2019) Glipr111 is an izumo-binding protein required for optimal fertilization in the mouse. BMC Biol 17 (1): 86.

NCBI AND UNIPROT INFORMATION

NCBI GI #	312836827
NCBI GeneID	390243
NCBI Accession #	NP_001186135
NCBI GenBank Nucleotide #	NM_001199206
UniProt Accession #	A6ND01
Molecular Weight	27,943 Da
NCBI Official Full Name	sperm-egg fusion protein Juno
NCBI Official Synonym Full Names	IZUMO1 receptor, JUNO
NCBI Official Symbol	IZUMO1R
NCBI Official Synonym Symbols	JUNO; FOLR4; Folbp3
NCBI Protein Information	sperm-egg fusion protein Juno; FR-delta; IZUMO1 receptor protein JUNO; folate receptor 4 (delta) homolog; folate receptor 4, delta (putative); folate receptor delta; probable folate receptor delta
UniProt Protein Name	Sperm-egg fusion protein Juno
UniProt Gene Name	IZUMO1R
UniProt Synonym Gene Names	FR-delta
UniProt Entry Name	JUNO_HUMAN

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/folate-receptor-4-antibody-immunoprecipitation-western-blot-elisa/254817>