

Rabbit anti-Human DGCR8 Polyclonal Antibody | anti-DGCR8 antibody

Anti-DGCR8 Antibody, Rabbit Polyclonal

CATALOG # AAA256612	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

DGCR8; Polyclonal Antibody; Anti-DGCR8 Antibody; Rabbit Polyclonal; DGCR8 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-C22orf12 Antibody; Anti-DGCR6 Antibody; Anti-Gy1 Antibody; Anti-pasha Antibody; anti-DGCR8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human DGCR8
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-DGCR8 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human DGCR8 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human DGCR8 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



IF (Immunofluorescence)

Immunofluorescence staining of DGCR8 in A431 cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human DGCR8 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus and Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human DGCR8 in human duodenum with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-DGCR8 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: 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: 86 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-DGCR8 antibody	DiGeorge syndrome chromosomal region 8 (DGCR8), a double-stranded-RNA-binding protein, participates in the miRNA biogenesis pathway and contributes to miRNA maturation by interacting with the RNAase III enzyme Drosha in cell nuclei. DGCR8, which is known as Pasha in flies and worms, is a 773-amino-acid (aa) protein critical for microRNA (miRNA) biogenesis via the formation of a microprocessor complex with Drosha. This complex processes primary miRNA in the nucleus. DGCR8 deletion in murine B-cell progenitors impairs the transition from pro-to early pre-B cell stage, recapitulating the phenotypes observed in miR17-92 cluster knockout mice. The DGCR8-mediated miRNA pathway is required for maintaining blood pressure, vascular reactivity and vascular wall remodeling at the postnatal stages.
References	Zou Y, et al. (2018) Deletion of dgcr8 in vsmcs of adult mice results in loss of vascular reactivity, reduced blood pressure and neointima formation. Sci Rep 8 (1): 1468. Hoffmann N, et al. (2018) Dgcr8 promotes neural progenitor expansion and represses neurogenesis in the mouse embryonic neocortex. Front Neurosci 12 281. Deng L, et al. (2019) Stabilizing heterochromatin by dgcr8 alleviates senescence and osteoarthritis. Nat Commun 10 (1): 3329.

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/dgcr8-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/256612>