

Rabbit anti-Human PDS5A Polyclonal Antibody | anti-PDS5A antibody

Anti-PDS5A Antibody, Rabbit Polyclonal

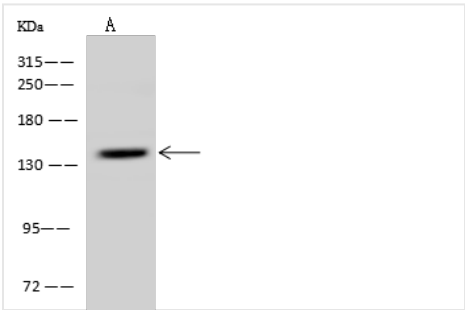
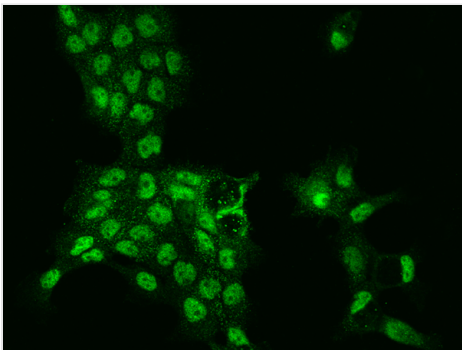
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256514	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

PDS5A; Polyclonal Antibody; Anti-PDS5A Antibody; Rabbit Polyclonal; PDS5A Antibody; Rabbit PAb; Antigen Affinity Purified; PDS5 cohesin associated factor A; Anti-PIG54 Antibody; Anti-SCC-112 Antibody; Anti-SCC112 Antibody; anti-PDS5A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PDS5A
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PDS5A antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human PDS5A fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PDS5A 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.



WB (Western Blot)
Anti-PDS5A rabbit polyclonal antibody at 1:500 dilution Lane A: U-251 MG 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: 150 kDa Observed band size: 150 kDa

IF (Immunofluorescence)
Immunofluorescence staining of PDS5A 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 PDS5A 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.

ADDITIONAL INFORMATION

Related Product Information for anti-PDS5A antibody	PDS5, a cohesion protein, is important for proper chromosome segregation in lower organisms and has two homologs in vertebrates (PDS5A and PDS5B). The precocious dissociation of sisters 5A (Pds5A), also known as sister chromatid cohesion protein 112 is a nuclear protein, expressed from the S right through to the mitotic phase. It is highly conserved from yeast to man and plays a role in the establishment, maintenance, and dissolution of sister chromatid cohesion. The mutation of Pds5A orthologs in lower organisms results in chromosome missegregation, aneuploidy, and DNA repair defects. It is considered that such defects can cause either cell death or contribute to the development of cancer cells. Indeed, altered expression levels of Pds5A have been observed in tumors of the breast, kidney, esophagus, stomach, liver, and colon.
References	Zhang B, et al. (2009) Dosage effects of cohesin regulatory factor pds5 on mammalian development: Implications for cohesinopathies. PLoS One 4 (5): e5232. Hagemann C, et al. (2011) The cohesin-interacting protein, precocious dissociation of sisters 5a/sister chromatid cohesion protein 112, is up-regulated in human astrocytic tumors. Int J Mol Med 27 (1): 39-51.

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.