

Rabbit anti-Human Dppa2 Polyclonal Antibody | anti-Dppa2 antibody

Anti-Dppa2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254401	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

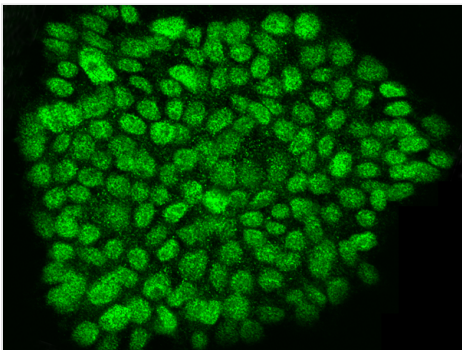
PRODUCT SYNONYMS

Dppa2; Polyclonal Antibody; Anti-Dppa2 Antibody; Rabbit Polyclonal; Dppa2 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-CT100 Antibody; Anti-ECAT15-2 Antibody; Anti-PESCRG1 Antibody; anti-Dppa2 antibody

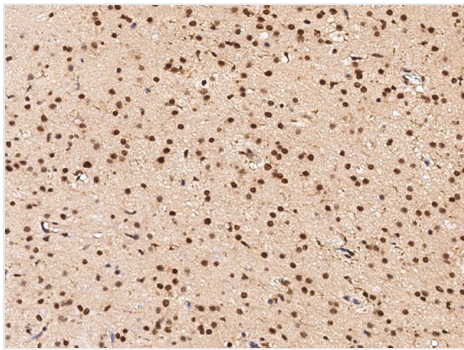
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Dppa2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-Dppa2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Human Dppa2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human Dppa2, 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



IF (Immunofluorescence)
Immunofluorescence staining of DPPA2 in HESS9 cells. Cells were fixed with 4% PFA, permeabilized with 0.5% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human DPPA2 polyclonal antibody (dilution ratio 1:1000) 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.



IHC (Immunohistochemistry)
Immunochemical staining of human DPPA2 in human brain with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-Dppa2 antibody	The assembly of the spherical nucleus depends on a critical balance of microtubule dynamics, which is regulated by the chromatin-binding protein Developmental pluripotency-associated 2 (Dppa2). Whereas microtubules normally promote sperm pronuclear expansion, in Dppa2-depleted Xenopus egg extracts excess microtubules cause pronuclear assembly defects, leading to abnormal morphology and disorganized DNA replication. Dppa2 inhibits microtubule polymerization in vitro, and Dppa2 activity is needed at a precise time and location during nascent pronuclear formation. The developmental pluripotency-associated 2 (Dppa2), which regulates chromatin structures, plays important roles in the maintenance of pluripotency and proliferation of embryonic stem cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	239835767
NCBI GeneID	151871
NCBI Accession #	NP_620170.3
NCBI GenBank Nucleotide #	NM_138815.3
UniProt Accession #	Q7Z7J5; Q8WVF0
Molecular Weight	33,784 Da
NCBI Official Full Name	developmental pluripotency-associated protein 2
NCBI Official Synonym Full Names	developmental pluripotency associated 2
NCBI Official Symbol	DPPA2
NCBI Official Synonym Symbols	CT100; PESCRG1; ECAT15-2
NCBI Protein Information	developmental pluripotency-associated protein 2; cancer/testis antigen 100; embryonic stem cell (ESC) associated transcript 15-2; pluripotent embryonic stem cell-related gene 1 protein
UniProt Protein Name	Developmental pluripotency-associated protein 2
UniProt Gene Name	DPPA2
UniProt Synonym Gene Names	PESCRG1
UniProt Entry Name	DPPA2_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://www.aaabiotech.com/polyclonal/dppa2-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/254401>