

Rabbit anti-Human DPPA4 Polyclonal Antibody | anti-DPPA4 antibody

Anti-DPPA4 Antibody, Rabbit Polyclonal

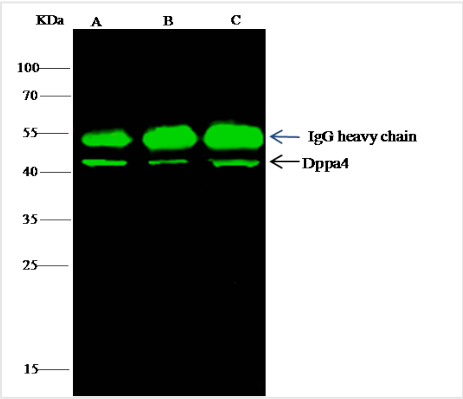
CATALOG # AAA254386	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

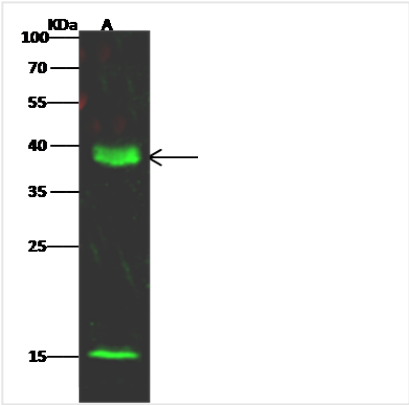
DPPA4; Polyclonal Antibody; Anti-DPPA4 Antibody; Rabbit Polyclonal; DPPA4 Antibody; Rabbit PAb; Antigen Affinity Purified; developmental pluripotency associated 4; Anti-2410091M23Rik Antibody; anti-DPPA4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human DPPA4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DPPA4 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human DPPA4
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human DPPA4, 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.



IP (Immunoprecipitation)
DPPA4 was immunoprecipitated using: Lane A: 0.5 mg A549 Whole Cell Lysate; Lane B: 0.5 mg 293T Whole Cell Lysate; Lane C: 0.5 mg Jurkat Whole Cell Lysate. 4 uL anti-DPPA4 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-DPPA4 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: 34 kDa. Observed band size: 40 kDa.



WB (Western Blot)
Anti-DPPA4 rabbit polyclonal antibody at 1:500 dilution. Lane A: 293T 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: 34 kDa. Observed band size: 38 kDa. (We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-DPPA4 antibody	Developmental Pluripotency-Associated-4 (DPPA4) is one of the few core pluripotency genes lacking clearly defined molecular and cellular functions. DPPA4 is also mutated in some cancers. In direct transformation assays, we validated that DPPA4 is an oncogene in both mouse 3T3 cells and immortalized human dermal fibroblasts. Overexpression of DPPA4 generates oncogenic foci (sarcoma cells) and causes anchorage-independent growth. The in vitro transformed cells also give rise to tumors in immunodeficient mice. Developmental pluripotency associated 4 (DPPA4) is one of the uncharacterized genes that is highly expressed in embryonic stem (ES) cells. DPPA4 is associated with active chromatin and involved in the pluripotency of mouse ES cells.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	144953903
NCBI GeneID	55211
NCBI Accession #	NP_060659.3
NCBI GenBank Nucleotide #	NM_018189.3
UniProt Accession #	Q7L190; Q9H9N5; Q9NVI6; A8K4M7
Molecular Weight	33,541 Da
NCBI Official Full Name	developmental pluripotency-associated protein 4
NCBI Official Synonym Full Names	developmental pluripotency associated 4
NCBI Official Symbol	DPPA4
NCBI Official Synonym Symbols	2410091M23Rik
NCBI Protein Information	developmental pluripotency-associated protein 4
UniProt Protein Name	Developmental pluripotency-associated protein 4
UniProt Gene Name	DPPA4
UniProt Entry Name	DPPA4_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.

