

Rabbit ODF2 Polyclonal Antibody | anti-ODF2 antibody

ODF2 Rabbit pAb

CATALOG # AAA281583	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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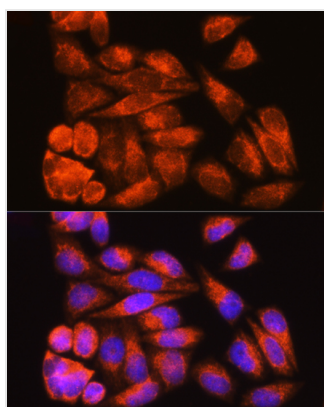
PRODUCT SYNONYMS

ODF2; Polyclonal Antibody; ODF2 Rabbit pAb; CT134; ODF2/1; ODF2/2; ODF84; anti-ODF2 antibody

PRODUCT SPECIFICATIONS

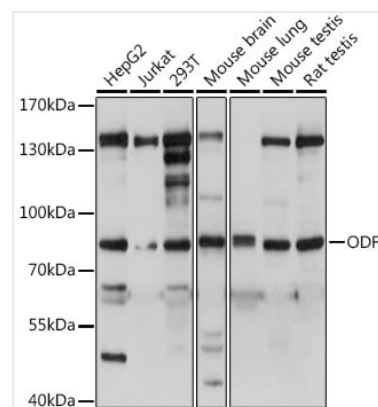
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	IISDLRSRIE HQGDKLEMAR EKHQASQKEN KQLSLKVDEL ERKLEATSAQ NIEFLQVIK REEAIHQSQL RLEEKTRECG TLARQLESAI EDARRQVEQT KEHALSKERA AQNKILDLET QLSRTKTELS QLRRSRDDAD RRYQSRLQDL KDRLEQSEST NRSMQNYVQF LKSSYANVFG DGPYSTFLTS SPIRSRSPPA
Applicable Applications for anti-ODF2 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 630-829 of human ODF2 (NP_702911.1).
Positive Samples	HepG2, Jurkat, 293T, Mouse brain, Mouse lung, Mouse testis, Rat testis
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using ODF2 Rabbit pAb at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ODF2 antibody at dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.

ADDITIONAL INFORMATION

Related Product Information for anti-ODF2 antibody	Background: The outer dense fibers are cytoskeletal structures that surround the axoneme in the middle piece and principal piece of the sperm tail. The fibers function in maintaining the elastic structure and recoil of the sperm tail as well as in protecting the tail from shear forces during epididymal transport and ejaculation. Defects in the outer dense fibers lead to abnormal sperm morphology and infertility. This gene encodes one of the major outer dense fiber proteins. Alternative splicing results in multiple transcript variants. The longer transcripts, also known as 'Cenexins', encode proteins with a C-terminal extension that are differentially targeted to somatic centrioles and thought to be crucial for the formation of microtubule organizing centers.
Product Categories/Family for anti-ODF2 antibody	Cell Biology & Developmental Biology; Cell Cycle; Centrosome

NCBI AND UNIPROT INFORMATION

NCBI GI #	334278913
NCBI GeneID	4957
NCBI Accession #	NP_001229281.1
NCBI GenBank Nucleotide #	NM_001242352.1
UniProt Accession #	Q5BJF6; O14721; O60631; Q1W2J6; Q6UN26; Q7Z5I6; B1AND3; B4DRK4; B4DX73; B4DZ02; E7EWL2; F5H6J4
Molecular Weight	95,401 Da
NCBI Official Full Name	outer dense fiber protein 2 isoform 11
NCBI Official Synonym Full Names	outer dense fiber of sperm tails 2
NCBI Official Symbol	ODF2
NCBI Official Synonym Symbols	CT134; ODF84; ODF2/1; ODF2/2
NCBI Protein Information	outer dense fiber protein 2; cenexin 1; cancer/testis antigen 134; sperm tail structural protein; outer dense fiber of sperm tails, 84-kD
UniProt Protein Name	Outer dense fiber protein 2
UniProt Gene Name	ODF2
UniProt Entry Name	ODFP2_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/odf2-antibody-immunofluorescence-western-blot-elisa/281583>