

## ODF2 Polyclonal Antibody

Catalog number: 12058-1-AP

Size: 80 µg/150 µl

Source: Rabbit

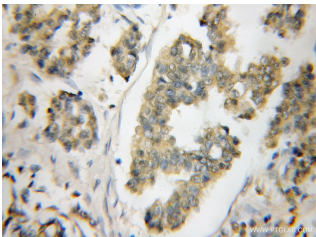
Isotype: IgG

Synonyms:

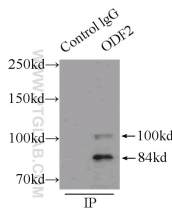
ODF2; Cenexin, FLJ44866,

ODF2, ODF2/1, ODF2/2,

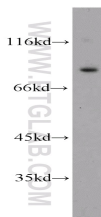
ODF84, Outer dense fiber protein 2



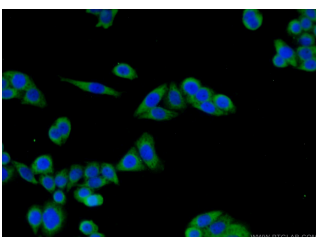
Immunohistochemical of paraffin-embedded human breast cancer using 12058-1-AP (ODF2 antibody) at dilution of 1:50 (under 10x lens)



IP Result of anti-ODF2 (IP:12058-1-AP, 5µg; Detection:12058-1-AP 1:500) with mouse testis tissue lysate 8000µg.



mouse testis tissue were subjected to SDS PAGE followed by western blot with 12058-1-AP (ODF2 antibody) at dilution of 1:500



Immunofluorescent analysis

### Background

ODF2 (outer dense fiber 2) is the major cenexin protein of the cytoskeleton of the sperm tail. In somatic cells, it is a component of the centrosome in which it is located in the appendages of the mother centriole. The gene for the cenexin protein, which was first identified as a protein marker of the mother centriole, was subsequently found to be identical to ODF2 and encodes transcripts cenexin 1 and cenexin 2. ODF2 is ubiquitously expressed in many cell types as various splicing variants. Additionally, ODF2 localizes to centrioles, basal bodies, and primary cilia, which are all structurally and functionally interconnected. ODF2 has 10 isoforms with MW 67-100 kDa.

### Applications

Tested applications:	ELISA, WB, IHC, IP, IF
Cited applications:	IF
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse, rat
Calculated ODF2 MW:	763aa, 89 kDa
Observed ODF2 MW:	67-100 kDa
Positive WB detected in	Mouse testis tissue, mouse lung tissue
Positive IP detected in	Mouse testis tissue
Positive IHC detected in	Human breast cancer tissue
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:2000
	IHC: 1:20-1:200
	IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag2693
GenBank accession number:	BC010629
Gene ID (NCBI):	4957
Full name:	Outer dense fiber of sperm tails 2

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

of HeLa cells using 12058-1-  
AP( ODF2 Antibody) at  
dilution of 1:25 and Alexa  
Fluor 488-conjugated  
AffiniPure Goat Anti-Rabbit  
IgG(H+L)