

**OSGIN1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58301****Specification****OSGIN1 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	<a href="#">O9UJX0</a>
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human OSGIN1
Epitope Specificity	351-450/560
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the OKL38 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

OSGIN1 (Oxidative stress-induced growth inhibitor 1) regulates the differentiation and proliferation of normal cells through the regulation of cell death.

**OSGIN1 Polyclonal Antibody - Additional Information**

**Gene ID** 29948

**Other Names**

Oxidative stress-induced growth inhibitor 1, Bone marrow stromal cell-derived growth inhibitor, BMSC-derived growth inhibitor, Ovary, kidney and liver protein 38, huOKL38, Pregnancy-induced growth inhibitor OKL38, OSGIN1 ([HGNC:30093](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=30093))

**Target/Specificity**

Ubiquitous. Highest expression in the ovary, testis, kidney, and liver.

**Dilution**

**WB** ~ 1:1000  
**IHC-P** ~ N/A  
**IHC-F** ~ N/A  
**IF** ~ 1:50~200  
**E** ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**OSGIN1 Polyclonal Antibody - Protein Information**

**Name** OSGIN1 ([HGNC:30093](#))

**Function**

Monooxygenase catalytic activity (PubMed:<<http://www.uniprot.org/citations/38442170>>38442170</a>). Involved in regulation of cytokinesis; promotes RHOA activity, probably acting locally at the midbody in late cytokinesis (PubMed:<<http://www.uniprot.org/citations/38442170>>38442170</a>). Monooxygenase activity is involved in stabilizing transient structures between daughter cells, termed intercellular bridges, before abscission (PubMed:<<http://www.uniprot.org/citations/38442170>>38442170</a>). Regulates differentiation and proliferation through the regulation of cell death (PubMed:<<http://www.uniprot.org/citations/11459809>>11459809</a>, PubMed:<<http://www.uniprot.org/citations/14570898>>14570898</a>).

**Cellular Location**

Midbody. Note=Localizes to the midbody in late cytokinesis

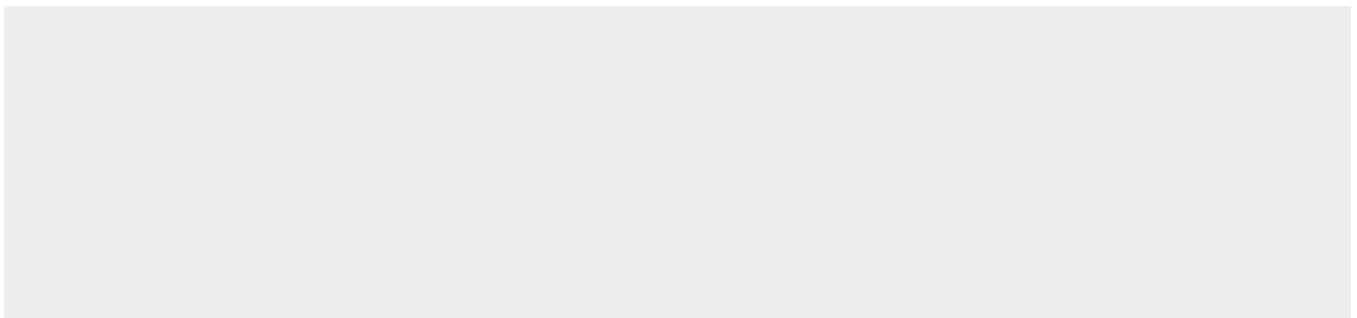
**Tissue Location**

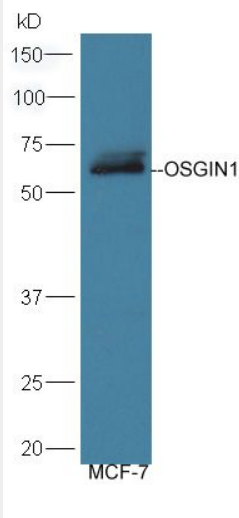
Ubiquitous. Highest expression in the ovary, testis, kidney, skeletal muscle and liver (PubMed:11459809, PubMed:14570898).

**OSGIN1 Polyclonal Antibody - Protocols**

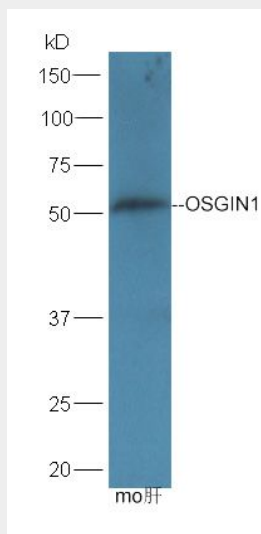
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

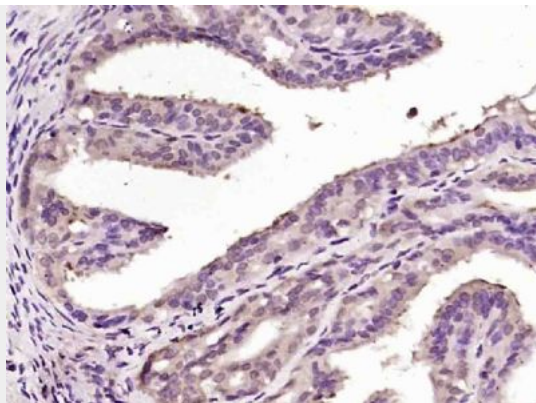
**OSGIN1 Polyclonal Antibody - Images**



Sample: MCF-7 Cell (Human) Lysate at 40 ug  
 Primary: Anti-OSGIN1 (bs-5723R) at 1/300 dilution  
 Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution  
 Predicted band size: 61 kD  
 Observed band size: 61 kD



Sample: Liver (Mouse) Lysate at 40 ug  
 Primary: Anti-OSGIN1 (bs-5723R) at 1/300 dilution  
 Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution  
 Predicted band size: 61 kD  
 Observed band size: 55 kD



Paraformaldehyde-fixed, paraffin embedded (rat ovary); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (OSGIN1) Polyclonal Antibody, Unconjugated (bs-5723R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.