

# OSGIN1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58301

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">Q9UJX0</a>
<b>Reactivity</b>	Rat, Dog, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	51992
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human OSGIN1
<b>Epitope Specificity</b>	351-450/560
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SIMILARITY</b>	Belongs to the OKL38 family.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	OSGIN1 (Oxidative stress-induced growth inhibitor 1) regulates the differentiation and proliferation of normal cells through the regulation of cell death.

## Additional Information

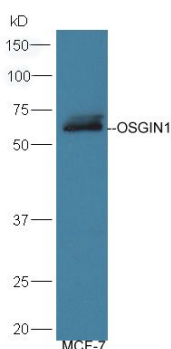
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<b>Gene ID</b>	29948
<b>Other Names</b>	Oxidative stress-induced growth inhibitor 1, Bone marrow stromal cell-derived growth inhibitor, BMSC-derived growth inhibitor, Ovary, kidney and liver protein 38, huOKL38, Pregnancy-induced growth inhibitor OKL38, OSGIN1 ( <a href="#">HGNC:30093</a> )
<b>Target/Specificity</b>	Ubiquitous. Highest expression in the ovary, testis, kidney, and liver.
<b>Dilution</b>	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	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.

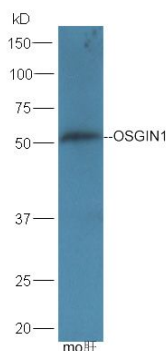
## Protein Information

<b>Name</b>	OSGIN1 ( <a href="#">HGNC:30093</a> )
<b>Function</b>	Monooxygenase catalytic activity (PubMed: <a href="#">38442170</a> ). Involved in regulation of cytokinesis; promotes RHOA activity, probably acting locally at the midbody in late cytokinesis (PubMed: <a href="#">38442170</a> ). Monooxygenase activity is involved in stabilizing transient structures between daughter cells, termed intercellular bridges, before abscission (PubMed: <a href="#">38442170</a> ). Regulates differentiation and proliferation through the regulation of cell death (PubMed: <a href="#">11459809</a> , PubMed: <a href="#">14570898</a> ).
<b>Cellular Location</b>	Midbody. Note=Localizes to the midbody in late cytokinesis
<b>Tissue Location</b>	Ubiquitous. Highest expression in the ovary, testis, kidney, skeletal muscle and liver (PubMed:11459809, PubMed:14570898).

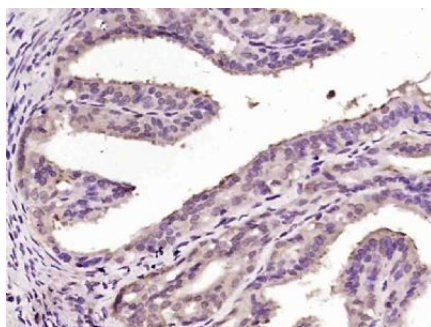
## Images



Sample: MCF-7 Cell (Human) Lysate at 40 ug  
Primary: Anti-OSGIN1 (AP58301) 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 (AP58301) 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 (AP58301) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.