10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

OSGIN1 Rabbit pAb

OSGIN1 Rabbit pAb
Catalog # AP58301

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9UJX0
Reactivity	Rat, Human
Predicted	Dog, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51992
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human OSGIN1
Epitope Specificity	351-450/560
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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.

Additional Information

Gene ID	29948
Other Names	Oxidative stress-induced growth inhibitor 1, 1.14.13.-, 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)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

Protein Information

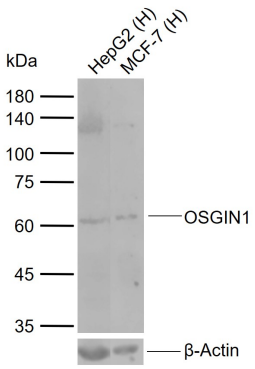
Name	OSGIN1 (HGNC:30093)
Function	Monooxygenase catalytic activity (PubMed: 38442170). Involved in regulation

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

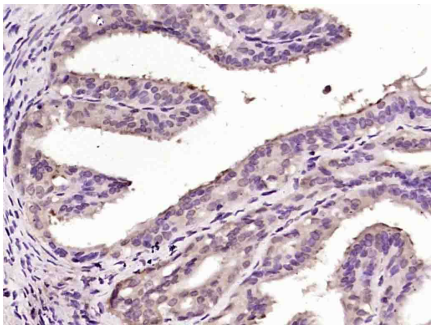
Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Sample:
Lane 1: Human HepG2 cell lysates
Lane 2: Human MCF-7 cell lysates
Primary: Anti-OSGIN1 (AP58301) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 61 kDa
Observed band size: 61 kDa



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) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.