

ARG45321 anti-OSGIN1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes OSGIN1
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	OSGIN1
Species	Human
Immunogen	Recombinant protein containing to human OSGIN1.
Conjugation	Un-conjugated
Alternate Names	OSGIN1; Oxidative Stress Induced Growth Inhibitor 1; OKL38; BDGI; Bone Marrow Stromal Cell-Derived Growth Inhibitor; Oxidative Stress-Induced Growth Inhibitor 1; Pregnancy-Induced Growth Inhibitor OKL38; Ovary, Kidney And Liver Protein 38; BMSC-Derived Growth Inhibitor; Pregnancy Induced Growth Inhibitor; EC 2.7.1.130 47; EC 2.4.2.7 47; EC 1.6.5 47; HuOKL38

Application Instructions

Application table	Application	Dilution
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	53 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

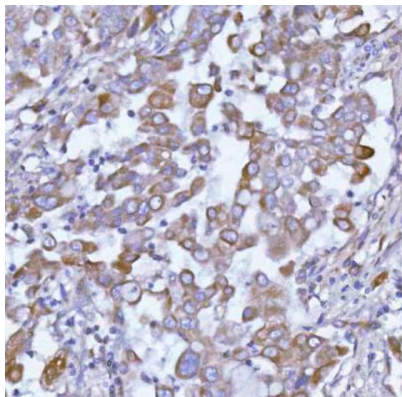
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

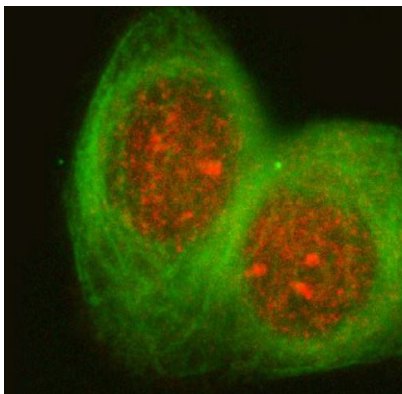
Gene Symbol	OSGIN1
Gene Full Name	Oxidative Stress Induced Growth Inhibitor 1
Background	This gene encodes an oxidative stress response protein that regulates cell death. Expression of the gene is regulated by p53 and is induced by DNA damage. The protein regulates apoptosis by inducing cytochrome c release from mitochondria. It also appears to be a key regulator of both inflammatory and anti-inflammatory molecules. The loss of this protein correlates with uncontrolled cell growth and tumor formation. Naturally occurring read-through transcription exists between this gene and the neighboring upstream malonyl-CoA decarboxylase (MLYCD) gene, but the read-through transcripts are unlikely to produce a protein product. [provided by RefSeq, Aug 2011]
Function	Regulates the differentiation and proliferation through the regulation of cell death.. [UniProt]
Calculated Mw	52 kDa
PTM	Phosphoprotein. [UniProt]

Images



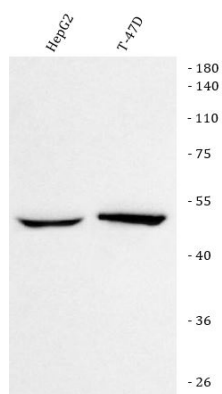
ARG45321 anti-OSGIN1 antibody IHC-P image

Immunohistochemistry: Human lung adenocarcinoma stained with ARG45321 anti-OSGIN1 antibody at 2 µg/ml dilution.



ARG45321 anti-OSGIN1 antibody ICC/IF image

Immunofluorescence: T-47D stained with ARG45321 anti-OSGIN1 antibody at 5 µg/ml dilution.



ARG45321 anti-OSGIN1 antibody WB image

Western blot: HepG2 and T-47D stained with ARG45321 anti-OSGIN1 antibody at 0.5 µg/ml dilution.