

AIG1 Antibody

Catalog # ASC11463

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q9NVV5
Other Accession	NP_057192 , 40316941
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	27458
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	AIG1 antibody can be used for detection of AIG1 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ g/mL. For immunofluorescence start at 2.5 μ g/mL.

Additional Information

Gene ID	51390
Other Names	Androgen-induced gene 1 protein, AIG-1, AIG1
Target/Specificity	AIG1;
Reconstitution & Storage	AIG1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	AIG1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	AIG1
Function	Hydrolyzes bioactive fatty-acid esters of hydroxy-fatty acids (FAHFAs), but not other major classes of lipids (PubMed: 27018888). Show a preference for FAHFAs with branching distal from the carboxylate head group of the lipids (PubMed: 27018888).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Highly expressed in heart, ovary, testis, liver, and kidney, at lower levels in spleen, prostate, brain, skeletal muscle, pancreas, small intestine and colon, and undetected in peripheral blood leukocytes, thymus, lung and placenta.

Background

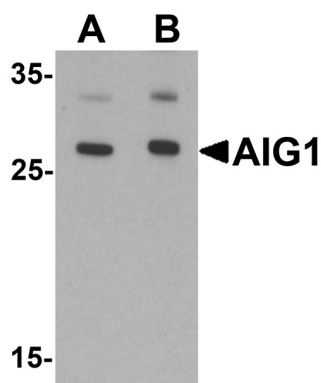
AIG1 Antibody: Androgen-induced 1 (AIG1) is a novel Pirh2-interacting protein, which was initially cloned from human dermal papilla cells and is evolutionally conserved from drosophila through to humans. It is a membrane protein and belongs to the protein family containing FAR-17a domain. AIG1 may play a role in androgen-regulated growth of hair follicles. AIG1 could serve as a new biomarker for the diagnosis and prognostic evaluation of HCCs and may be a novel candidate tumor suppressor.

References

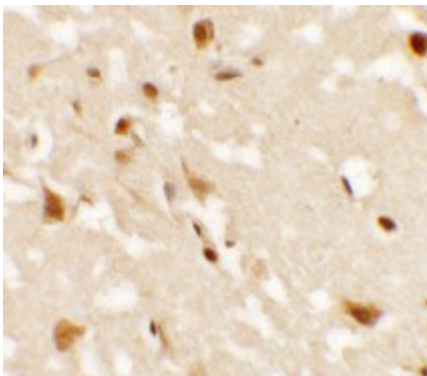
Wu G, Sun M, Zhang W, et al. AIG1 is a novel Pirh2-interacting protein that activates the NFAT signaling pathway. *Front. Biosci. (Elite Ed)*. 2011; 3:834-42.

Seo J, Kim J, and Kim M. Cloning of androgen-inducible gene 1 (AIG1) from human dermal papilla cells. *Mol. Cells* 2001; 11:35-40.

Images

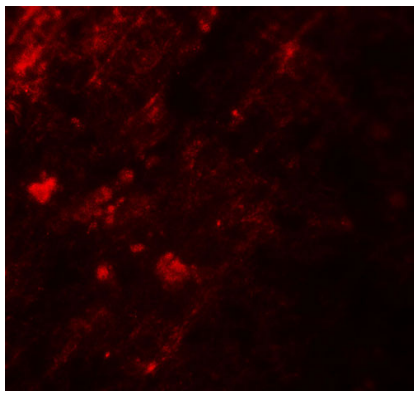


Western blot analysis of AIG1 in human brain tissue lysate with AIG1 antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of AIG1 in human brain tissue with AIG1 antibody at 2.5 µg/mL.

Immunofluorescence of AIG1 in human brain tissue with AIG1 antibody at 20 µg/mL.



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