

**AIG1 Antibody**  
**Catalog # ASC11463****Specification**

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**AIG1 Antibody - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">Q9NVV5</a>
Other Accession	<a href="#">NP_057192</a> , <a href="#">40316941</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	AIG1 antibody can be used for detection of AIG1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 2.5 µg/mL.

**AIG1 Antibody - Additional Information**

Gene ID	51390
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.

**AIG1 Antibody - Protein Information****Name** AIG1**Function**

Hydrolyzes bioactive fatty-acid esters of hydroxy-fatty acids (FAHFAs), but not other major classes of lipids (PubMed: <http://www.uniprot.org/citations/27018888> target="\_blank">27018888</a>). Show a preference for FAHFAs with branching distal from the carboxylate head group of the lipids (PubMed: <http://www.uniprot.org/citations/27018888> target="\_blank">27018888</a>).

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

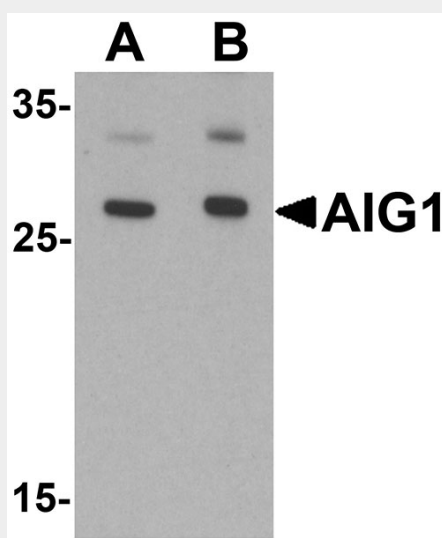
Highly expressed in heart, ovary, testis, liver, and kidney, at lower levels in spleen, prostate, brain, skeletal muscle, pancreas, small intestine and colon, and undetected in peripheral blood leukocytes, thymus, lung and placenta. AIG1 expression is higher in hair follicles from males than from females

### AIG1 Antibody - Protocols

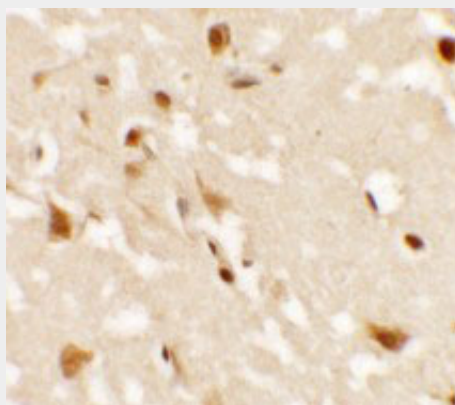
Provided below are standard protocols that you may find useful for product applications.

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

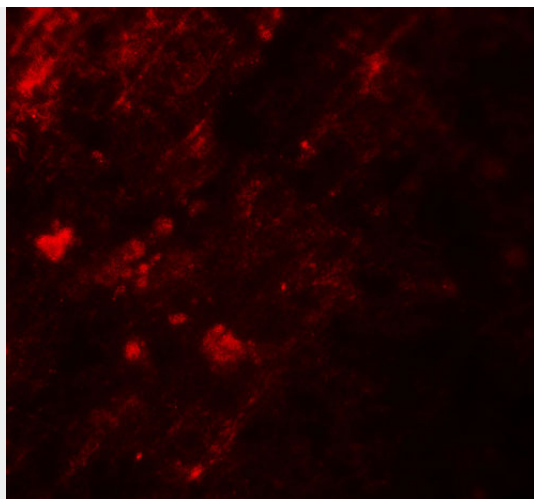
### AIG1 Antibody - Images



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.

#### **AIG1 Antibody - 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.

#### **AIG1 Antibody - 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.