

## FSCN2 polyclonal antibody

Catalog # PAB7355

Size 100 ug

### Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of FSCN2.
<b>Immunogen</b>	A synthetic peptide corresponding to internal region of human FSCN2.
<b>Sequence</b>	CHHRGSNQLDTNR
<b>Host</b>	Goat
<b>Theoretical MW (kDa)</b>	57.4, 55.1
<b>Reactivity</b>	Mouse
<b>Specificity</b>	This antibody is expected to recognize both reported isoforms (NP_001070650.1 and NP_0.36550.1).
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Concentration</b>	0.5 mg/mL
<b>Recommend Usage</b>	ELISA (1:64000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Immunohistochemistry

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — FSCN2

Entrez GeneID	<a href="#">25794</a>
Protein Accession#	<a href="#">NP_001070650.1;NP_0.36550.1</a>
Gene Name	FSCN2
Gene Alias	RFSN, RP30
Gene Description	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus)
Omim ID	<a href="#">607643 607921</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes a member of the fascin protein family. Fascins crosslink actin into filamentous bundles within dynamic cell extensions. This family member is proposed to play a role in photoreceptor disk morphogenesis. A mutation in this gene results in one form of autosomal dominant retinitis pigmentosa and macular degeneration. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	fascin 2 retinal fascin

## Publication Reference

- [The R109H variant of fascin-2, a developmentally regulated actin crosslinker in hair-cell stereocilia, underlies early-onset hearing loss of DBA/2J mice.](#)

Jung-Bum Shin, Chantal M Longo-Guess, Leona H Gagnon, Katherine W Saylor, Rachel A Dumont, Kateri J Spinelli, James M Pagana, Phillip A Wilmarth, Larry L David, Peter G Gillespie, Kenneth R Johnson.

Journal of Neuroscience 2010 Jul; 30(29):9683.

Application: IF, Chicken, Chicken utricles

- [Role of fascin in filopodial protrusion.](#)

Vignjevic D, Kojima S, Aratyn Y, Danciu O, Svitkina T, Borisy GG.

The Journal of Cell Biology 2006 Sep; 174(6):863.

## Disease

- [Macular Degeneration](#)
- [Retinal Degeneration](#)
- [Retinitis Pigmentosa](#)