

Datasheet for ABIN656403
anti-SESN3 antibody (AA 320-347)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	SESN3
Binding Specificity:	AA 320-347
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SESN3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Sestrin-3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 320-347 amino acids from the Central region of human Sestrin-3.
Clone:	RB18605
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SESN3
Alternative Name:	Sestrin-3 (SESN3 Products)

Target Details

Background: Sestrins form a small family of redox enzymes which regulate accumulation of Reactive Oxygen Species. They protect cells and their DNA against oxidative damage and regulate cell growth and viability. These genes are often deregulated in cancers and their inactivation accelerates the growth of model tumors in mice.

Molecular Weight: 57291

Gene ID: 143686

NCBI Accession: [NP_653266](#)

UniProt: [P58005](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:2000. IHC-P: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

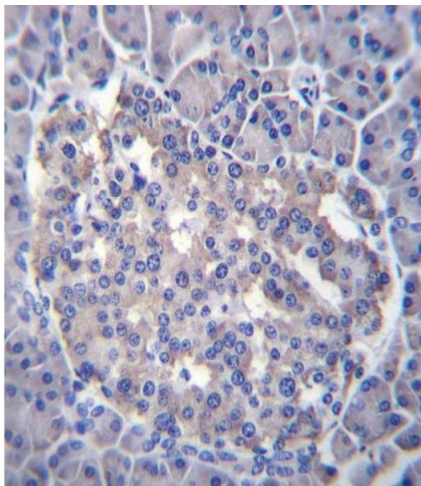
Storage: 4 °C, -20 °C

Storage Comment: Sestrin-3 Antibody (Center Y335) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months

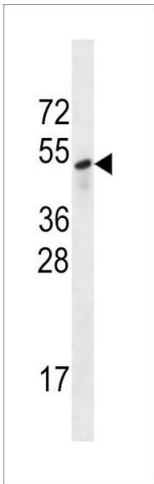
Publications

Product cited in: Mask, Schoenecker, Kane, Ransom, Bruemmer: "Serum antibody immunoreactivity to equine zona protein after SpayVac vaccination." in: **Theriogenology**, Vol. 84, Issue 2, pp. 261-7, (2015) ([PubMed](#)).



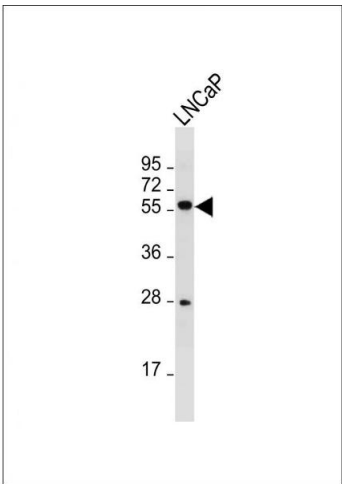
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Sestrin-3 Antibody (Center) (ABIN656403 and ABIN2845697) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Sestrin-3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Sestrin-3 Antibody (Center) (ABIN656403 and ABIN2845697) western blot analysis in A549 cell line lysates (35 µg/lane). This demonstrates the Sestrin-3 antibody detected the Sestrin-3 protein (arrow).



Western Blotting

Image 3. Anti-Sestrin-3 Antibody (Center) at 1:2000 dilution + LNCaP whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 57 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.