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Datasheet for ABIN6147627

anti-SESN3 antibody (AA 1-310)

1 Image

Overview

Quantity:	100 µL
Target:	SESN3
Binding Specificity:	AA 1-310
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SESN3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-310 of human SESN3 (NP_653266.2).
Sequence:	MNRGGGSPSA AANYLLCTNC RQVLRKDKRI RVSQPLTRGP SAFIPEKEVV QANTVDERTN FLVEEYSTSG RLDNITQVMS LHTQYLESFL RSQFYMLRMD GPLPLPYRHY IAIMAAARHQ CSYLINMHVD EFLKTGGIAE WLNGLYVVPQ RLKNLNEINK LLAHRPWLIT KEHIQKLVKT GENNWSLPEL VHAVVLLAHY HALASFVFGS GINPERDPEI SNGFRLISVN NFCVCDLAND NNIENASLSG SNFGIVDSLS ELEALMERMK RLQEEDEE ASQEEMSTRF EKEKKESLFV VSGDTFHSFP
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

Target Details

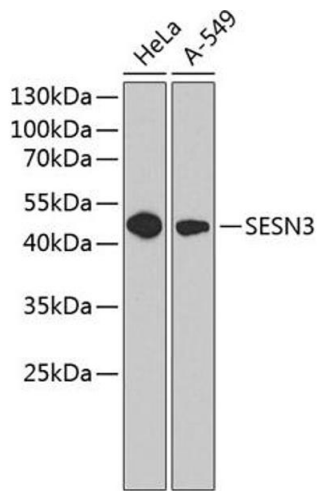
Target:	SESN3
Alternative Name:	SESN3 (SESN3 Products)
Background:	<p>This gene encodes a member of the sestrin family of stress-induced proteins. The encoded protein reduces the levels of intracellular reactive oxygen species induced by activated Ras downstream of RAC-alpha serine/threonine-protein kinase (Akt) and FoxO transcription factor. The protein is required for normal regulation of blood glucose, insulin resistance and plays a role in lipid storage in obesity. Alternative splicing results in multiple transcript variants.,SESN3,SEST3,sestrin-3,Cancer,Tumor suppressors,Cell Biology & Developmental Biology,Endocrine & Metabolism,AMPK Signaling Pathway,Endocrine and metabolic diseases,Diabetes,Cardiovascular,Hypoxia,Hypoxia-Regulated,SESN3</p>
Molecular Weight:	36 kDa/41 kDa/57 kDa
Gene ID:	143686
UniProt:	P58005

Application Details

Application Notes:	WB,1:200 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using SESN3 antibody (ABIN6129128, ABIN6147627, ABIN6147628 and ABIN6220862) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.