Datasheet for ABIN6147361

anti-SAG antibody (AA 1-405)

3 Images

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Overview

Quantity:	100 µL
Target:	SAG
Binding Specificity:	AA 1-405
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SAG antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-405 of human SAG (NP_000532.2).
Sequence:	MAASGKTSKS EPNHVIFKKI SRDKSVTIYL GNRDYIDHVS QVQPVDGVVL VDPDLVKGKK VYVTLTCAFR YGQEDIDVIG LTFRRDLYFS RVQVYPPVGA ASTPTKLQES LLKKLGSNTY PFLLTFPDYL PCSVMLQPAP QDSGKSCGVD FEVKAFATDS TDAEEDKIPK KSSVRLLIRK VQHAPLEMGP QPRAEAAWQF FMSDKPLHLA VSLNKEIYFH GEPIPVTVTV TNNTEKTVKK IKAFVEQVAN VVLYSSDYYV KPVAMEEAQE KVPPNSTLTK TLTLLPLLAN NRERRGIALD GKIKHEDTNL ASSTIIKEGI DRTVLGILVS YQIKVKLTVS GFLGELTSSE VATEVPFRLM HPQPEDPAKE SYQDANLVFE EFARHNLKDA GEAEEGKRDK NDVDE
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat

Product Details

Characteristics:	Polyclonal Antibodies

Target Details

Target:	SAG
Alternative Name:	SAG (SAG Products)
Background:	Members of arrestin/beta-arrestin protein family are thought to participate in agonist-mediated desensitization of G-protein-coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters, or sensory signals. S-arrestin, also known as S-antigen, is a major soluble photoreceptor protein that is involved in desensitization of the photoactivated transduction cascade. It is expressed in the retina and the pineal gland and inhibits coupling of rhodopsin to transducin in vitro. Additionally, S-arrestin is highly antigenic, and is capable of inducing experimental autoimmune uveoretinitis. Mutations in this gene have been associated with Oguchi disease, a rare autosomal recessive form of night blindness.,SAG,RP47,S-AG,Signal Transduction,G protein signaling,SAG
Molecular Weight:	45 kDa
Gene ID:	6295
UniProt:	P10523
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	WB,1:1000 - 1:2000,IHC,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

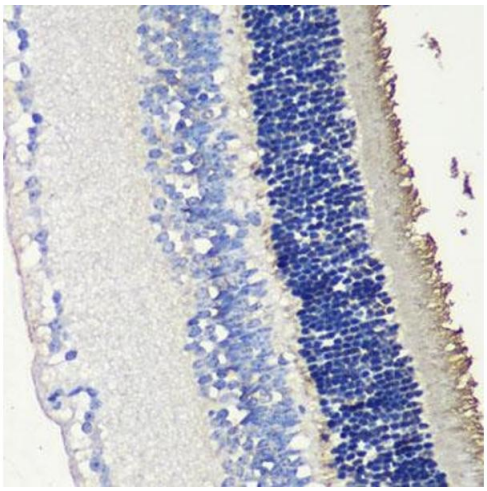
Handling

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.

Handling

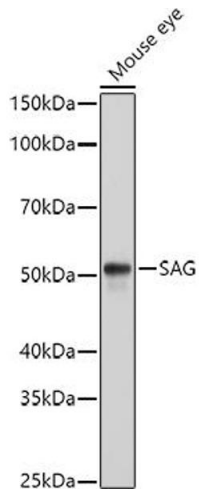
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



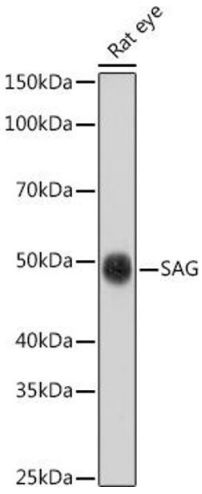
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse retina using SAG antibody (ABIN6132558, ABIN6147361, ABIN6147362 and ABIN6216887) at dilution of 1:200 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of Mouse eye cells, using SAG antibody (ABIN6132558, ABIN6147361, ABIN6147362 and ABIN6216887) 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: 1s.



Western Blotting

Image 3. Western blot analysis of extracts of Rat eye cells, using SAG antibody (ABIN6132558, ABIN6147361, ABIN6147362 and ABIN6216887) 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: 30s.