Datasheet for ABIN190875

anti-GPSM2 antibody (Internal Region)

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Overview

Quantity:	100 µg
Target:	GPSM2
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This GPSM2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	GPSM2
Immunogen:	Peptide with sequence C-NRLKGKKYKTNSSTK, from the internal region of the protein sequence according to NP_037428.2.
Sequence:	NRLKGKKYKT NSSTK
Isotype:	IgG
Cross-Reactivity:	Dog, Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

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Target Details

Target:	GPSM2
Alternative Name:	GPSM2 (GPSM2 Products)
Background:	GPSM2, G-protein signalling modulator 2 (AGS3-like, C. elegans) , HGNC:29501, LGN, Pins, LGN protein
Gene ID:	29899
NCBI Accession:	NP_037428
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Testis. Recommended concentration: 5 µg/mL. Peptide ELISA: antibody detection limit dilution 1:64000.
Comment:	**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm/ centrosomes of A431 cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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 Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

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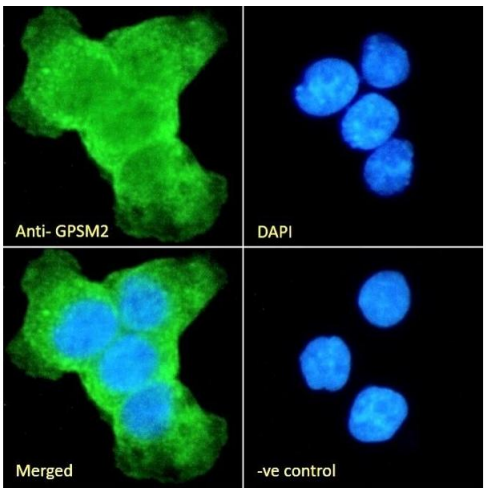
Publications

Product cited in: Campla, Bocchero, Strickland, Nellissery, Advani, Ignatova, Srivastava, Aponte, Wang, Gumerson, Martemyanov, Artemyev, Pahlberg, Swaroop: "Frmpd1 Facilitates Trafficking of G-Protein Transducin and Modulates Synaptic Function in Rod Photoreceptors of Mammalian Retina." in: **eNeuro**, Vol. 9, Issue 5, (2022) (PubMed).

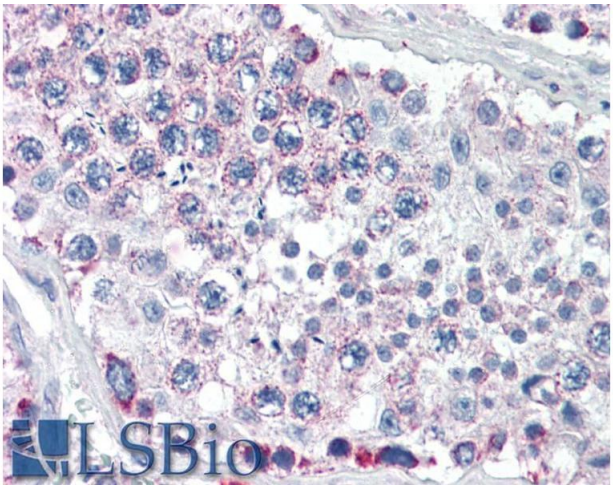
Images



Immunofluorescence

Image 1. (ABIN190875) Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing cytoplasmic staining. The nuclear stain is DAPI (b

Image 2. ABIN190875 (0.01µg/ml) staining of Human Brain (Cerebellum) lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry

Image 3. ABIN190875 (5µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

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