Human Latrophilin 3/LPHN3 Alexa Fluor® 750-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF5916S
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Latrophilin 3/LPHN3 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Latrophilin 3/LPHN3 Phe20-Asn813 Accession # NP_056051
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

DATA

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

LPHN3 (Latrophilin 3; also CIRL3, CL3 and LEC3) is a predicted 162 kDa member of the LN-TM7 subfamily, GPCR 2 family of molecules. It appears to have a restricted expression pattern, being limited to the brain and adrenal gland. Although it is related to the black widow toxin receptor CIRL1, it does not serve as a toxin receptor. Mature human LPHN3 is a 7-TM glycoprotein that is 1428 amino acids (aa) in length. Posttranslational processing cleaves the molecule into a 120 kDa ECD (aa 20-841) and a noncovalently-associated 85 kDa 7-TM C-terminus (aa 842-1447). The ECD is modular, and contains a SUEL-like lectin domain (aa 35-124), an Olf region (aa 134-393) and GPS domain (aa 802-853). There are multiple splice events which, in the ECD, include a two aa substitution for aa 127-131, a 13 aa insertion after Lys623, and a 39 aa substitution for aa 668-1447. Over aa 20-813, human LPHN3 shares 98% aa identity with mouse LPHN3.

PRODUCT SPECIFIC NOTICES

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