bio-techne®
R&D SYSTEMS

Human/Mouse LRRTM2 Alexa Fluor® 350-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF5589U
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse LRRTM2 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human (rh) LRRTM1, rhLRRTM3, and rhLRRTM4 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human LRRTM2 Cys34-Arg422 Accession # O43300
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% 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.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

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

LRRTM2 (leucine rich repeat transmembrane protein # 2) is a 59 kDa (predicted) member of the LRRTM family of proteins. All members of this family are type I transmembrane proteins that contain 10 external LRR repeats plus a short cytoplasmic tail that binds PDF motifs. LRRTM2 is found in deep neurons of the hippocampus (CA1-CA3), dentate gyrus granule cells, and cerebellar granular cells, and in almost all peripheral tissues at some level. Mature human LRRTM2 is 483 amino acids (aa) in length. The extracellular region contains ten LRRs (aa 61-299), followed by a 73 aa cytoplasmic tail (aa 444-516). Over aa 34-422. human LRRTM2 shares 98% aa identity with mouse LRRTM2.

PRODUCT SPECIFIC NOTICES

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