

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LRRC4 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 5% cross-reactivity with recombinant human LRRC3 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human LRRC4 Ala39-Lys527 Accession # Q9HBW1
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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

LRRC4 (Leu-rich repeat/LRR-containing protein 4; also brain tumor-associated protein) is a 55 kDa (predicted) member of the Leu-rich protein family. It is expressed on neurons and astrocytes, and antagonizes the signaling pathways for cytokines and growth factors. It is reduced in expression in tumors. Human LRRC4 is a type I transmembrane protein that is 653 amino acids (aa) in length. It contains a 489 aa extracellular region (aa 39-527), and a 105 aa cytoplasmic domain. The extracellular region shows nine LRRs (aa 74-288), a C2 type Ig-like domain (aa 354-440), and a Thr rich segment (aa 455-526). Over aa 39-527, human LRRC4 is 98% aa identical to both mouse and canine LRRC4, respectively.

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