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Datasheet for ABIN500192
anti-LRFN4 antibody (C-Term)

2 Images

Overview

Quantity:	0.1 mg
Target:	LRFN4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRFN4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	LRFN4 antibody was raised against a 14amino acid peptide near the carboxy terminus of human LRFN4.
Isotype:	IgG
Specificity:	This antibody detects LRFN4.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	LRFN4
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Target Details

Alternative Name: LRFN4 ([LRFN4 Products](#))

Background: LRFN4 is one of a family of five transmembrane glycoproteins that are highly expressed in neuronal tissues. LRFN proteins share leucine-rich repeat (LRR)-immunoglobulin-like (Ig)-fibronectin type III (Fn)-transmembrane domain structure with other members of the LRR-Ig-Fn protein superfamily such as the Slitrk family of proteins. Expression of LRFN1, -3, and -4 mRNA was detected in embryonic neuronal cells, while Lrnf2 and Lrnf5 expression was primarily restricted to more mature cells. LRFN1, -2, and -4 bound to PDZ domains of postsynaptic PSD95, re-distributing PSD95 to the cell periphery. It has been suggested that the Lrnf proteins play a role in the developing and/or mature vertebrate nervous system. At least two isoforms of LRFN4 are known to exist. This antibody is predicted to not cross-react with other members of the LRFN family. Synonyms: Leucine-rich repeat and fibronectin type-III domain-containing protein 4, SALM3

Gene ID: 78999

UniProt: [Q6PJG9](#)

Application Details

Application Notes: ELISA. Western blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

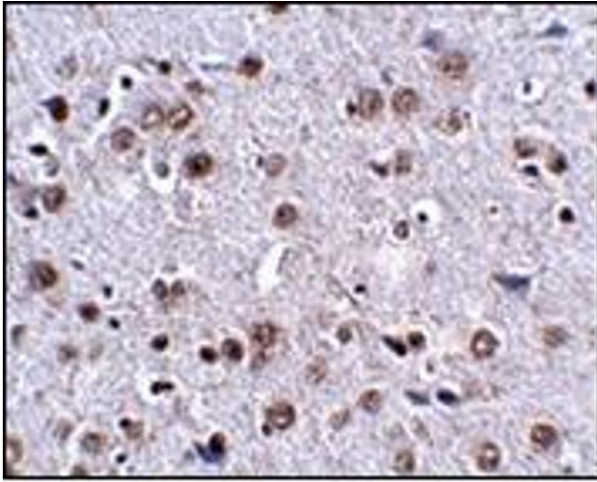
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

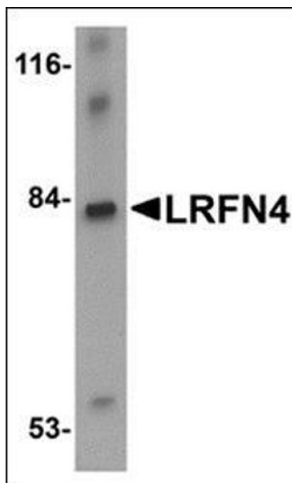
Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of LRFN4 in mouse brain tissue with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of LRFN4 in rat brain lysate with this product at 1 µg/ml.