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## LRCH1 Rabbit pAb

Catalog Number:	bs-9327R
Target Protein:	LRCH1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
lsotype:	lgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:50-200)
Reactivity:	Human, Mouse, Rat (predicted:Rabbit, Pig, Sheep, Cow, Chicken, Horse)
Predicted MW:	81 kDa
Subcellular	Cytoplasm
Locations:	
Entrez Gene:	23143
Swiss Prot:	Q9Y2L9
Source:	KLH conjugated synthetic peptide derived from human LRCH1: 221-320/728.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	Members of the leucine-rich repeat family include LRCH1, LRCH2, LRCH3 and LRCH4. All
	family members contain one calponin-homology domain and nine leucine-rich repeats. The
	gene encoding LRCH1, also known as Neuronal protein 81 (NP81), has been suggested to be
	a possible gene locus for susceptibility to osetoarthritis, especially in women, though
	studies have shown conflicting results. LRCH1 is a 728 amino acid protein that is expressed
	at highest levels in cerebellum, with lower levels of expression in spinal cord, ovary, kidney
	and amygdala. In pigs, the gene encoding LRCH1 is one of 22 genes that is associated with
	leg and body conformation traits that affect productivity and health. There are two isoforms
	of LRCH1 that are expressed as a result of alternative splicing events.

## VALIDATION IMAGES

Sample: Spleen (Mouse) Lysate at 40 ug Primary: Anti-LRCH1 (bs-9327R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 81 kD Observed band size: 81 kD



Sample: Cerebellum (Mouse) Lysate at 40 ug Primary: Anti- LRCH1 (Bs- 9327R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 81 kD Observed band size: 81 kD



Sample: U251 Cell (Human) Lysate at 30 ug Primary: Anti- LRCH1 (Bs- 9327R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 81 kD Observed band size: 81 kD



Paraformaldehyde-fixed, paraffin embedded Rat Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LRCH1 Polyclonal Antibody, Unconjugated (bs-9327R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LRCH1 Polyclonal Antibody, Unconjugated (bs-9327R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LRCH1 Polyclonal Antibody, Unconjugated (bs-9327R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=5.7] Chen WK et al. Leucine rich repeats and calponin homology domain containing 1 inhibits microglia-mediated neuroinflammation in a rat traumatic spinal cord injury model. Journal of Neuroinflammation.2019. WB ; Rat . DOI:10.21203/rs.2.18899/v1 [IF=5.793] Wen-Kai Chenet al. Inhibition of leucine-rich repeats and calponin homology domain containing 1 accelerates microgliamediated neuroinflammation in a rat traumatic spinal cord injury model. J Neuroinflammation . 2020 Jul 6;17(1):202. WB ; rat . 32631435