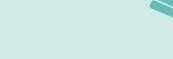
# antibodies -online.com





Datasheet for ABIN743558

# anti-LRP6 antibody (pSer1490)



3

**Publications** 



Go to Product page

_					
	W	0	rv	10	W

Overview		
Quantity:	100 μL	
Target:	LRP6	
Binding Specificity:	pSer1490	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This LRP6 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))	
Product Details		
Immunogen:	KLH conjugated synthetic phosphopeptide derived from human LRP6 around the phosphorylation site of Ser1490	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	

### **Target Details**

Purification:

Predicted Reactivity:

Target: LRP6

Dog,Cow,Pig,Horse,Chicken

Purified by Protein A.

## **Target Details**

Alternative Name:	LRP6 (LRP6 Products)	
Background:	Synonyms: ADCAD2, Low-density lipoprotein receptor-related protein 6, LRP-6, LRP6	
	Background: Component of the Wnt-Fzd-LRP5-LRP6 complex that triggers beta-catenin	
	signaling through inducing aggregation of receptor-ligand complexes into ribosome-sized	
	signalsomes. Cell-surface coreceptor of Wnt/beta-catenin signaling, which plays a pivotal role	
	in bone formation. The Wnt-induced Fzd/LRP6 coreceptor complex recruits DVL1 polymers to	
	the plasma membrane which, in turn, recruits the AXIN1/GSK3B-complex to the cell surface	
	promoting the formation of signalsomes and inhibiting AXIN1/GSK3-mediated phosphorylation	
	and destruction of beta-catenin. Required for posterior patterning of the epiblast during	
	gastrulation (By similarity).	
Gene ID:	4040	
UniProt:	075581	
Pathways:	WNT Signaling, Tube Formation	
Application Details		
Application Notes:	WB 1:300-5000	
	ELISA 1:500-1000	
	IHC-P 1:200-400	
	IHC-F 1:100-500	
	IF(IHC-P) 1:50-200	
	IF(IHC-F) 1:50-200	
	IF(ICC) 1:50-200	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be	
	handled by trained staff only.	

#### Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

#### **Publications**

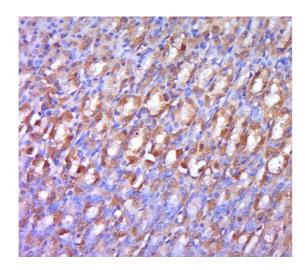
Product cited in:

Xiao, Fei, Hurley: "FGF2 crosstalk with Wnt signaling in mediating the anabolic action of PTH on bone formation." in: **Bone reports**, Vol. 9, pp. 136-144, (2018) (PubMed).

Boone, Arend, Johnston, Cooper, Gilchrist, Oelschlager, Grizzle, McGwin, Gangrade, Straughn, Buchsbaum: "Targeting the Wnt/β-catenin pathway in primary ovarian cancer with the porcupine inhibitor WNT974." in: **Laboratory investigation**; a journal of technical methods and pathology, Vol. 96, Issue 2, pp. 249-59, (2016) (PubMed).

Chen, Xu, Ye, Li, Gong, Zhang, Wu, Jia, Liu, Chen, Yang, Tang, Zhu, Ge, Zou: "Urotensin II inhibited the proliferation of cardiac side population cells in mice during pressure overload by JNK-LRP6 signalling." in: **Journal of cellular and molecular medicine**, Vol. 18, Issue 5, pp. 852-62, (2014) (PubMed).

#### **Images**



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded rat stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with LRP6 (Ser1490) Polyclonal Antibody, Unconjugated (bs-3253R) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.