### bs-20730R

- DATASHEET -

## [ Primary Antibody ]

# DRD2 Rabbit pAb



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DATASTILL	1				
Host:	Rabbit	<b>sotype:</b> IgG	Applications:	<b>WB</b> (1:500-2000)	
Clonality: Polyclonal				<b>ELISA</b> (1:5000-10000)	
GenelD:	1813	5WISS: P14416	Reactivity:	Human, Mouse, Rat	
Target: DRD2				(predicted: Rabbit, Sheep, Cow, Dog, Horse)	
Immunogen: KLH conjugated synthetic peptide derived from human DRD2: 301-400/443. < Cytoplasmic >			Predicted		
Purification: a	rification: affinity purified by Protein A			<b>MW.:</b> <sup>51 kDa</sup>	
Concentration: 1mg/ml			Subcellular		
Storage: ( ( S	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.			Location:	
<b>Background:</b> This gene encodes the D2 subtype of the dopamine receptor. This G-protein coupled receptor inhibits adenylyl cyclase activity. A missense mutation in this gene causes myoclonus dystonia; other mutations have been associated with schizophrenia. Alternative splicing of this gene results in two transcript variants encoding different isoforms. A third variant has been described, but it has not been determined whether this form is normal or due to aberrant splicing. [provided by RefSeq, Jul 2008]					

#### - VALIDATION IMAGES -



25 ug total protein per lane of various lysates (see on figure) probed with DRD2 polyclonal antibody, unconjugated (bs-20730R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

### - SELECTED CITATIONS -

- [IF=9.8] Xiaoyan Zheng. et al. Novel findings from arsenic-lead combined exposure in mouse testicular TM4 Sertoli cells based on transcriptomics. SCI TOTAL ENVIRON. 2023 Dec;:169611 WB ;Mouse. 38157908
- [IF=4.01] Wang YH et al. Isosibiricin inhibits microglial activation by targeting the dopamine D1/D2 receptor-dependent NLRP3/caspase-1 inflammasome pathway. Acta Pharmacol Sin. 2019 Sep 10. WB,IHC ;MOUSE. 31506572
- [IF=2.751] Xuezhi Zhang. et al. Natural emodin reduces myocardial ischemia/reperfusion injury by modulating the RUNX1/miR-142-3p/DRD2 pathway and attenuating inflammation. EXP THER MED. 2022 Dec;24(6):1-11 WB ;MOUSE. 10.3892/etm.2022.11681
- [IF=2.6] Hui Yu. et al. The modulatory effects of persimmon leaf extract on sleep-related neurotransmitters and its

potential hypnotic effects. FITOTERAPIA. 2025 May;:106576 WB ;Mouse. 40334819