

bs-1746R**[Primary Antibody]****BioSS**
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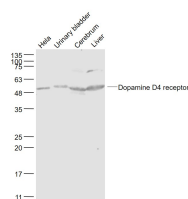
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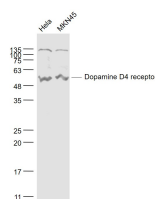
400-901-9800

Dopamine D4 receptor Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse (predicted: Rat)
GeneID: 1815	SWISS: P21917	
Target: Dopamine D4 receptor		
Immunogen: KLH conjugated synthetic peptide derived from human DRD4: 151-250/467.		Predicted MW.: 41(mo/ rat); 51(kDa)
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane
Concentration: 1mg/ml		
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 G protein-coupled receptor family are distinguished by their slow transmitting response to ligand binding. These seven- transmembrane proteins include the adrenergic, serotonin and dopamine receptors. The effect of the signaling molecule can be excitatory or inhibitory depending on the type of receptor to which it binds. b-adrenergic receptor binds to adrenaline and activates adenylyl cyclase, while a2-adrenergic receptor binds to adrenaline and inhibits adenylyl cyclase. The dopamine receptors are divided into two classes, D1 and D2, which differ in their functional characteristics in that D1 receptors stimulate adenylyl cyclase, while D2 receptors inhibit adenylyl cyclase activity. Five different subtypes of dopamine receptor have been described to date. D1DR and D5DR belong to the D1 subclass, while D2DR, D3DR and D4DR belong to the D2 subclass of dopamine receptors.		

— VALIDATION IMAGES —

Sample: HeLa(Human) Cell Lysate at 30 ug
Urinary bladder (Mouse) Lysate at 40 ug
Cerebrum (Mouse) Lysate at 40 ug Liver (Mouse)
Lysate at 40 ug Primary: Anti- Dopamine D4
receptor (bs-1746R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 41/51 kD
Observed band size: 51 kD



Sample: A549(Human) Cell Lysate at 30 ug
MKN45(Human) Cell Lysate at 30 ug Primary:
Anti- Dopamine D4 receptor (bs-1746R) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 51 kD Observed band size: 53 kD

— SELECTED CITATIONS —

- **[IF=4.181]** Bai L et al. m6A demethylase FTO regulates dopaminergic neurotransmission deficits caused by arsenite. Toxicol Sci. 2018 Oct 1;165(2):431-446. WB ;Mouse. 29982692