

bs-11719R**[Primary Antibody]****Calcyon Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) ELISA (1:5000-10000)
Clonality: Polyclonal		
GeneID: 50632	SWISS: Q9NYX4	Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Dog)
Target: Calcyon		
Immunogen: KLH conjugated synthetic peptide derived from human Calcyon: 3-65/217. < Extracellular >		
Purification: affinity purified by Protein A		Predicted MW.: 23 kDa
Concentration: 1mg/ml		Subcellular Location: Cell membrane ,Cytoplasm
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: Calcyon is a single transmembrane protein that interacts with D1 dopamine receptors. Dopamine is a neurotransmitter that regulates synaptic transmission involved in learning and memory. D1 receptors, the most abundant dopamine receptor in the central nervous system, appear to modulate the activity of D2 dopamine receptors, mediate various behavioural responses, and regulate neuron growth and differentiation. Calcyon is present in neuronal cell bodies and processes of the cortex and hippocampus, and it is especially abundant in pyramidal neurons. Interaction of Calcyon with D1 receptors results in a release of intracellular calcium.		