

bs-11721R**[Primary Antibody]****Capicua Rabbit pAb****BioSS**
ANTIBODIES

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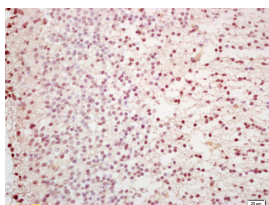
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 23152	SWISS: Q96RK0	
Target: Capicua		Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human Capicua: 1475-1560/1608.		
Purification: affinity purified by Protein A		Predicted MW.: 164 kDa
Concentration: 1mg/ml		Subcellular Location: Nucleus
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: Capicua is the mammalian ortholog of the drosophila Cic gene and is part of the HMG-box protein superfamily. Expressed primarily in the fetal brain, Capicua functions as a transcriptional repressor and is involved in the development of the nervous system through interaction with the ATXN1 protein. When ATXN1 assembles into stable complexes, it directly binds Capicua, thereby mediating both the activity and expression of Capicua. When Capicua is active, it is able to interact with other developmental proteins to restrict the growth of granule cells and regulate normal neuronal development. Disruptions in the the association of Capicua with proteins such as ATXN1 are thought to cause medulloblastoma, the most common form of peridiatric brain tumor arising from irregular growth of granule cells.		

— VALIDATION IMAGES —

Tissue/cell: brain of mouse embryo; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Capicua Polyclonal Antibody, Unconjugated(bs-11721R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining