

bs-12977R**[Primary Antibody]****BioSS**
ANTIBODIES

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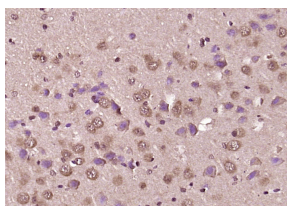
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AZI1 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 22994	SWISS: Q9UPN4	IF (1:100-500)
Target: AZI1		Reactivity: Rat (predicted: Human, Mouse, Pig, Sheep, Cow, Chicken, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human AZI1: 631-730/1083.		Predicted MW.: 122 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cytoplasm
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: AZI1 is a 1,083 amino acid protein that may play a role in spermatogenesis. AZI1 is most highly expressed in spinal cord, followed by testis, ovary, amygdala, cerebellum and thalamus. Low expression is present in other adult and fetal tissues and specific adult brain regions. AZI1 gene transcription begins in pachytene spermatocytes and expression of the gene is induced in cultivated fibroblasts on treatment with 5-azacytidine, which is known to lead to the demethylation of genomic DNA. The AZI1 gene is conserved in dog, cow, mouse, rat, chicken, and zebrafish, and exists as two alternatively spliced isoforms. AZI1 contains one IQ domain, and the gene that encodes it maps to human chromosome 17q25.3. Chromosome 17 makes up over 2.5% of the human genome with about 81 million bases encoding over 1,200 genes. Alexander disease, Birt-Hogg-Dube syndrome and Canavan disease are also associated with chromosome 17.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (rat brain); 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 (AZI1) Polyclonal Antibody, Unconjugated (bs-12977R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.