

**bs-23726R****[ Primary Antibody ]****SBNO2 Rabbit pAb****Bioss**  
**ANTIBODIES**

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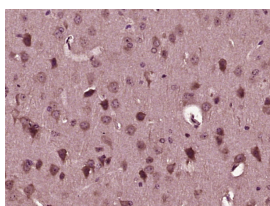
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 22904	<b>SWISS:</b> Q9Y2G9	
<b>Target:</b> SBNO2		<b>Reactivity:</b> Mouse (predicted: Human, Rat, Pig, Sheep)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human SBNO2: 1041-1140/1366.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 150 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Nucleus
<b>Storage:</b> 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.		
<b>Background:</b> SBNO2 is a 1,366 amino acid protein that belongs to the SBNO family. Detected in macrophages, SBNO2 seems to have transcriptional repression activity. SBNO2 and ETV3 are components of the pathways that contribute to the downstream anti-inflammatory effects of IL-10. The expression of SBNO2 is regulated by IL-10 in a STAT3-dependent way. Existing as two alternatively spliced isoforms, the SBNO2 gene is conserved in chimpanzee, dog, cow, mouse, rat, chicken, zebrafish and C.elegans, and maps to human chromosome 19p13.3. GPx-4 and LKB1 are neighbors of SBNO2 on chromosome 19. Chromosome 19 consists of approximately 63 million bases and makes up over 2% of human genomic DNA. Key genes for eye color and hair color also map to chromosome 19. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and insulin-dependent diabetes have been linked to chromosome 19.		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); 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 (SBNO2) Polyclonal Antibody, Unconjugated (bs-23726R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=4.7]** Liu Hongxiang. et al. A reactive oxygen species-related signature to predict prognosis and aid immunotherapy in clear cell renal cell carcinoma. FRONT ONCOL. 2023 Jul;13: IHC ;Human. 37496661

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.