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www.bioss.com.cn

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400-901-9800

ARTS/SEPT4 Rabbit pAb**— DATASHEET —**

<p>Host: Rabbit</p> <p>Clonality: Polyclonal</p> <p>GeneID: 5414</p> <p>Target: ARTS/SEPT4</p> <p>Immunogen: KLH conjugated synthetic peptide derived from human ARTS: 91-150/478.</p> <p>Purification: affinity purified by Protein A</p> <p>Concentration: 1mg/ml</p> <p>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.</p> <p>Background: This gene is a member of the septin family of nucleotidebinding proteins, originally described in yeast as cell divisioncycle regulatory proteins. Septins are highly conserved in yeast,Drosophila, and mouse, and appear to regulate cytoskeletalorganization. Disruption of septin function disturbs cytokinesisand results in large multinucleate or polyploid cells. This gene ishighly expressed in brain and heart. Alternatively splicedtranscript variants encoding different isoforms have been describedfor this gene. One of the isoforms (known as ARTS) is distinct; itis localized to the mitochondria, and has a role in apoptosis andcancer. [provided by RefSeq, Nov 2010].</p>	<p>Isotype: IgG</p> <p>SWISS: O43236</p>	<p>Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000)</p> <p>Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Sheep, Chicken, Dog, Horse)</p> <p>Predicted MW.: 55 kDa</p> <p>Subcellular Location: Cytoplasm ,Nucleus</p>
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— SELECTED CITATIONS —

- **[IF=5.572]** Miao Song. et al. Mitophagy alleviates AIF-mediated spleen apoptosis induced by AIC13 through Parkin stabilization in mice. FOOD CHEM TOXICOL. 2023 Jun;176:113762 WB ;Mouse. 37028746
- **[IF=4.556]** Xiaoning Zhang. et al. Cabs1 Maintains Structural Integrity of Mouse Sperm Flagella during Epididymal Transit of Sperm. Int J Mol Sci. 2021 Jan;22(2):652 WB,IHC ;Human. 33440775