

bs-9341R**[Primary Antibody]****BioSS**
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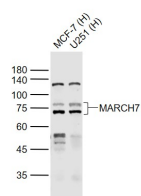
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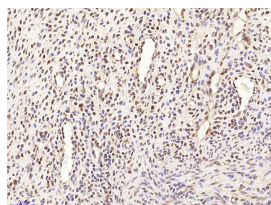
400-901-9800

MARCH7 Rabbit pAb**— DATASHEET —**

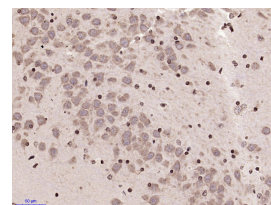
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:50-200)
Clonality: Polyclonal		
GeneID: 64844	SWISS: Q9H992	
Target: MARCH7		
Immunogen: KLH conjugated synthetic peptide derived from human MARCH7/Axotrophin: 31-130/704.		Reactivity: Human, Rat (predicted: Mouse, Rabbit, Pig, Sheep, Cow, Dog, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 78 kDa
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.		Subcellular Location: Secreted ,Extracellular matrix ,Cell membrane ,Cytoplasm ,Nucleus
Background: Axotrophin is a stem cell gene that encodes a protein which is involved in T lymphocyte regulation (especially in regulating the proliferation) and leukemia inhibitory factor (LIF) release. LIF is a neuropoietic cytokine that is important for stem cell regulation and thymocyte stimulation. Both Axotrophin and LIF are linked to transplantation intolerance. Axotrophin is also involved in corpus callosum differentiation and may play a role in glial cell line-derived neurotrophic factor (GDNF)-dependent sensory neuron survival in the substantia gelatinosa of the adult spinal cord. Axotrophin is primarily expressed in the hippocampus, cortex, purkinje and granule cells of the cerebellum.		

— VALIDATION IMAGES —

Sample: Lane 1: MCF-7 (Human) Cell Lysate at 30 ug
Lane 2: U251 (Human) Cell Lysate at 30 ug
Primary: Anti-MARCH7 (bs-9341R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 78 kD
Observed band size: 78/74 kD



Paraformaldehyde-fixed, paraffin embedded (Rat uterus); Antigen retrieval by microwave in sodium citrate buffer (pH6.0); Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (MARCH7) Polyclonal Antibody, Unconjugated (bs-9341R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0); Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (MARCH7) Polyclonal Antibody, Unconjugated (bs-9341R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.

— SELECTED CITATIONS —

- **[IF=5.008]** Hu, Jianguo, et al. "Ubiquitin E3 ligase MARCH7 promotes ovarian tumor growth." *Oncotarget* 6.14 (2015): 12174. IHC ;="Human". 25895127
- **[IF=4.743]** Xu M et al. Acetate attenuates inflammasome activation through GPR43-mediated Ca²⁺-dependent NLRP3 ubiquitination. *Exp Mol Med.* 2019 Jul 23;51(7):83. WB,IP ;Mouse. 31337751
- **[IF=1.664]** Hu et al. Ubiquitin E3 Ligase MARCH7 promotes proliferation and invasion of cervical cancer cells through VAV2-RAC1-CDC42 pathway. (2018) *Oncol.Lett.* 16:2312-2318 IHC ;Mice. 30008934

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

- **[IF=2.224]** Liu L et al. miR-27b-3p/MARCH7 regulates invasion and metastasis of endometrial cancer cells through Snail-mediated pathway. *Acta Biochim Biophys Sin (Shanghai)*. 2019 Apr 22. pii: gmz030. IHC ;Human. 31006800
- **[IF=1.29]** Zhang, Li, et al. "Expression of USP7 and MARCH7 Is Correlated with Poor Prognosis in Epithelial Ovarian Cancer." *The Tohoku Journal of Experimental Medicine* 239.3 (2016): 165-175. IHC ;="Human". 27302477