

bs-7411R**[Primary Antibody]****BioSS**
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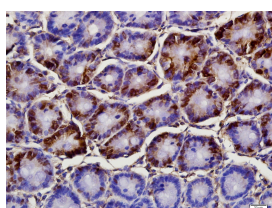
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Pantophysin Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 6856	SWISS: Q16563	
Target: Pantophysin		Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Cow)
Immunogen: KLH conjugated synthetic peptide derived from human Pantophysin: 121-220/259.		
Purification: affinity purified by Protein A		Predicted MW.: 29 kDa
Concentration: 1mg/ml		Subcellular Location: Cell membrane ,Cytoplasm
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: The MARVEL domain is a 130 amino acid motif that contains four transmembrane helices, both of which have cytoplasmic N- and C-terminal regions. MARVEL domain-containing proteins are thought to participate in tight junction regulation, the biogenesis of vesicular transport carriers and in cholesterol-rich membrane apposition events. Pantophysin, also known as SYPL1 (synaptophysin-like protein 1) or H-SP1, is a 259 amino acid multi-pass membrane protein that localizes to melanosomes and vesicles, as well as to the cytoplasm, and contains one MARVEL domain. Expressed as multiple alternatively spliced isoforms, pantophysin is present in tissues throughout the body where it may play a role in vesicle trafficking and protein transport. The gene encoding pantophysin maps to human chromosome 7, which houses over 1,000 genes and comprises nearly 5% of the human genome. Defects in some of the genes localized to chromosome 7 have been linked to Osteogenesis imperfecta, Williams-Beuren syndrome, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome.		

— VALIDATION IMAGES —

Tissue/cell: mouse colon tissue; 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-Pantophysin Polyclonal Antibody, Unconjugated(bs-7411R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining