

bs-11272R**[Primary Antibody]****WFS1 Rabbit pAb****BioSS**
ANTIBODIES

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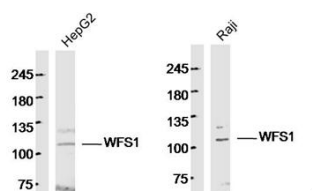
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		
GeneID: 7466	SWISS: O76024	
Target: WFS1		
Immunogen: KLH conjugated synthetic peptide derived from human WFS1: 791-890/890.		
Purification: affinity purified by Protein A		Reactivity: Human (predicted: Mouse, Rat, Cow, Dog, Horse)
Concentration: 1mg/ml		Predicted MW.: 97 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: Cell membrane ,Cytoplasm
Background: Wolfram syndrome protein (WFS1) is an 890 amino acid protein that contains a cytoplasmic N-terminal domain, followed by nine-transmembrane domains and a luminal C-terminal domain. WFS1 is predominantly localized to the endoplasmic reticulum (ER) (1) and its expression is induced in response to ER stress, partially through transcriptional activation (2,3). Research studies have shown that mutations in the WFS1 gene lead to Wolfram syndrome, an autosomal recessive neurodegenerative disorder defined by young-onset, non-immune, insulin-dependent diabetes mellitus and progressive optic atrophy (4).		

— VALIDATION IMAGES —

Sample: HepG2 Cell (Human) Lysate at 40 ug
Raji Cell (Human) Lysate at 40 ug Primary:
Anti-WFS1 (bs-11272R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 97 kD
Observed band size: 105 kD