

**bs-18984R****[ Primary Antibody ]**

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**N4BP1 Rabbit pAb****— 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>ICC/IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)  <b>Reactivity:</b> (predicted: Human, Mouse, Rat, Rabbit, Pig, Dog, Horse)  <b>Predicted MW.:</b> 100 kDa  <b>Subcellular Location:</b> Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 9683	<b>SWISS:</b> O75113	
<b>Target:</b> N4BP1		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human N4BP1: 531-630/896.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<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> N4BP1 is an 896 amino acid protein that belongs to the N4BP1 family. N4BP1 primarily localizes to nucleolus, however it also localizes to PML nuclear bodies when desumoylated. Detected in heart, lung, brain, liver, skeletal muscle, pancreas, kidney, spleen, testis and ovary, N4BP1 is phosphorylated upon DNA damage probably by ATM or ATR. N4BP1 interacts with Nedd4, a protein with a wide range of activities including modification of ubiquitin-protein ligase, regulation of membrane channels and potentiating hormone-dependent activation of transcription. N4BP1 inhibits the E3 ubiquitin-protein ligase ITCH, by interacting with the second WW domain of ITCH thereby competing with ITCH's substrates and impairing ubiquitination of substrates. N4BP1 has no obvious transmembrane regions, which raises the possibility that N4BP1 represents a soluble adaptor that could sequester ITCH within the cytosol. The N4BP1 gene maps to chromosome 16q12.1.		