

bs-13766R**[Primary Antibody]****Bioss**
ANTIBODIES

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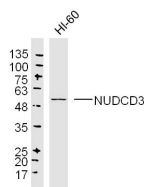
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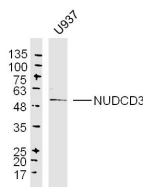
400-901-9800

NUDCD3 Rabbit pAb**— DATASHEET —**

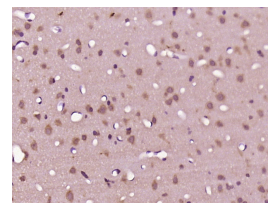
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 23386	SWISS: Q8IVD9	
Target: NUDCD3		
Immunogen: KLH conjugated synthetic peptide derived from human NUDCD3: 161-260/361.		Reactivity: Human, Rat (predicted: Mouse, Pig)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 41 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: Nucleus
Background: Nuclear migration is essential for growth, development and cellular function of multicellular organisms. NUDCD3 (NudC domain containing 3) is a 361 amino acid protein that contains one CS domain and is phosphorylated upon DNA damage by either ATR or ATM. Ubiquitously expressed, NUDCD3 has been observed to colocalize with Golgi marker proteins during interphase of mitosis in HeLa cells, and is found at low levels in brain, ovary and heart. The gene encoding NUDCD3 maps to human chromosome 7, which houses over 1,000 genes and comprises nearly 5% of the human genome. Chromosome 7 has been linked to Osteogenesis imperfecta, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome.		

— VALIDATION IMAGES —

Sample: HI-60 Cell (Human) Lysate at 30 ug
 Primary: Anti- NUDCD3 (bs-13766R) at 1/300
 dilution Secondary: IRDye800CW Goat Anti-
 Rabbit IgG at 1/20000 dilution Predicted band
 size: 41 kD Observed band size: 50 kD



Sample: U937 Cell (Human) Lysate at 30 ug
 Primary: Anti- NUDCD3 (bs-13766R) at 1/300
 dilution Secondary: IRDye800CW Goat Anti-
 Rabbit IgG at 1/20000 dilution Predicted band
 size: 41 kD Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NUDCD3) Polyclonal Antibody, Unconjugated (bs-13766R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.