

bs-5524R**[Primary Antibody]****phospho-NDEL1 (Thr219) Rabbit pAb****BioSS**
ANTIBODIES

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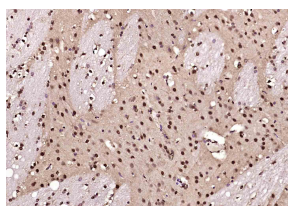
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 81565	SWISS: Q9GZM8	
Target: NDEL1 (Thr219)		Reactivity: Rat (predicted: Human, Mouse, Rabbit, Pig, Cow, Chicken, Horse)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human NDEL1 around the phosphorylation site of Thr219: PA(p-T)PV.		
Purification: affinity purified by Protein A		Predicted MW.: 38 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm ,Nucleus
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: Nudel is important for normal cortical development. It is involved in microtubule organization, nuclear translocation, and neuronal positioning in concert with various other factors (including Lis1, Pafah1b1, Pafah1b2, dynein, dynorphin A and cdk5). Western blot analysis of mouse tissues shows abundant expression of Nudel in brain and testis, and much lower expression in heart, liver, kidney, and skeletal muscle. In fractionated rat brain, Nudel and Lis1 are both found in fractions enriched for postsynaptic density proteins. Immunostaining of embryonic day 18 mouse brain sections revealed staining of migrating neurons and thalamocortical axons of the intermediate zone of the developing cerebral cortex, as well as several other developing brain regions. The deduced protein contains 345 amino acids and has a calculated molecular mass of 38.4 kDa. It has a coiled coil motif (residues 19 to 201), followed by several potential phosphorylation sites for casein kinase II, protein kinase C or CDK5. Nudel shares about 50% identity with mouse and human NUDE proteins.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (rat brain); 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 (phospho-NDEL1 (Thr219)) Polyclonal Antibody, Unconjugated (bs-5524R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.