bs-5523R **[Primary Antibody]**

phospho-NDEL1 (Ser242) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 81565 **SWISS:** Q9GZM8

Target: NDEL1 (Ser242)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human NDEL1 around the phosphorylation site of Ser242: GT(p-S)PL.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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 invovled in microtubule organization, nuclear translocation, and neuronal positioning in concert with various other factors (including Lis1, Pafah1b1, Pahfah1b2, 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.

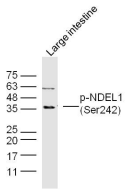
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Cow, Chicken, Horse)

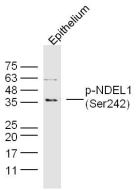
Predicted MW.: 38 kDa

Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES



Sample: Large intestine (Mouse) Lysate at 40 ug Primary: Anti-phospho-NDEL1(Ser242) (bs-5523R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38 kD Observed band size: 38 kD



Sample: Epithelium (Mouse) Lysate at 40 ug Primary: Anti-phospho-NDEL1(Ser242) (bs-5523R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38 kD Observed band size: 38 kD