# bs-11033R

# [ Primary Antibody ]

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### DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

KIF1B Rabbit pAb

GenelD: 23095 SWISS: 060333

Target: KIF1B

Immunogen: KLH conjugated synthetic peptide derived from human KIF1B:

13-120/1816.

**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: KIF1B, or kinesin-like protein (Klp) functions as a motor for

mitochondrial transport, and has a microtubule plus end-directed motility. The KIF1B beta isoform is abundant in brain, while the alpha isoform is abundant in skeletal muscle. Mutations in the KIF1B gene are the cause of Charcot-Marie-Tooth disease type 2A1, which is a primary peripheral axon neuropathy. The KIF1B beta isoform is down-regulated in sporadic amyotrophic lateral

sclerosis (ALS).

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) **IF** (1:100-500)

Reactivity: Rat (predicted: Human,

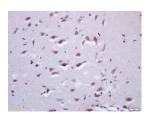
Mouse, Pig, Sheep, Chicken,

Dog)

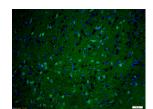
Predicted 204 kDa

Subcellular Cytoplasm

## VALIDATION IMAGES



Tissue/cell: rat brain tissue: 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-KIF1B Polyclonal Antibody, Unconjugated(bs-11033R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue:4% Paraformaldehyde-fixed and paraffinembedded: Antigen retrieval: citrate buffer ( 0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-KIF1B Polyclonal Antibody, FITC conjugated(bs-11033R-FITC) 1:200, at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei