

bs-1770R**[Primary Antibody]****Spastin Rabbit pAb****Bioss**
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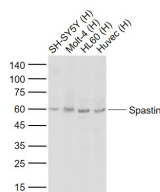
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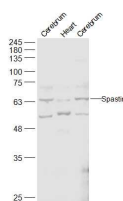
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 6683**SWISS:** Q9UBP0**Target:** Spastin**Immunogen:** KLH conjugated synthetic peptide derived from human FSP: 551-616/616.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

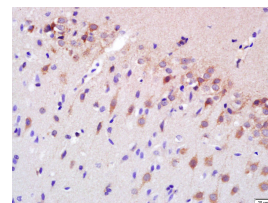
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a member of the AAA (ATPases associated with a variety of cellular activities) protein family. Members of this protein family share an ATPase domain and have roles in diverse cellular processes including membrane trafficking, intracellular motility, organelle biogenesis, protein folding, and proteolysis. The encoded ATPase may be involved in the assembly or function of nuclear protein complexes. Two transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants have been described but their full length sequences have not been determined. Mutations associated with this gene cause the most frequent form of autosomal dominant spastic paraplegia 4. [provided by RefSeq, Jul 2008]**Applications:** **WB** (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse, Rat
(predicted: Rabbit, Pig,
Cow, Chicken, Dog, Horse)**Predicted**
MW.: 68 kDa**Subcellular** Cell membrane ,Cytoplasm
Location: ,Nucleus**— VALIDATION IMAGES —**

Sample: Lane 1: Human SH-SY5Y cell lysates
Lane 2: Human Molt-4 cell lysates Lane 3: Human HL60 cell lysates Lane 4: Human Huvec cell lysates
Primary: Anti-Spastin (bs-1770R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 68 kD Observed band size: 60 kD



Sample: Cerebrum (Mouse) Lysate at 40 ug Heart (Mouse) Lysate at 40 ug Cerebrum (Rat) Lysate at 40 ug
Primary: Anti-Spastin (bs-1770R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 68 kD Observed band size: 68 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; 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-FSP/Spastin Polyclonal Antibody, Unconjugated(bs-1770R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining