

**bs-11319R****[ Primary Antibody ]**

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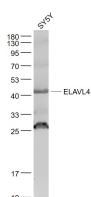
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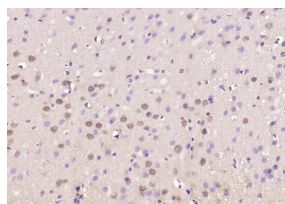
400-901-9800

**ELAVL4 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 1996	<b>SWISS:</b> P26378.2	<b>IHC-F</b> (1:100-500)
<b>Target:</b> ELAVL4		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human ELAVL4: 51-150/380.		<b>Reactivity:</b> Human, Mouse (predicted: Rat, Rabbit, Cow, Chicken, Dog, Horse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 42 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Nucleus
<b>Background:</b> The Elav-like genes encode for a family of RNA-binding proteins. Elav, a Drosophila protein and the first described member, is expressed immediately after neuroblastic differentiation into neurons and is necessary for neuronal differentiation and maintenance. Several mammalian Elav-like proteins, designated HuC, HuD and Hel-N1, are also expressed in postmitotic neurons. An additional mammalian homolog, HuR, which is also designated HuA, is ubiquitously expressed and is also overexpressed in a wide variety of tumors. Characteristically, these homologs all contain three RNA recognition motifs (RRM) and they specifically bind to AU-rich elements (ARE) in the 3'-untranslated region of mRNAs transcripts. ARE sites target mRNA for rapid degradation and thereby regulate the expression levels of genes involved in cell growth and differentiation. When Elav-like proteins associate with these ARE sites this degradation is inhibited, leading to an increased stability of the corresponding transcript. Elav proteins function within the nucleus, and they are shuttled between the nucleus and cytoplasm by a nuclear export signal, which is a regulatory feature of the Elav-like proteins as it limits their accessibility to ARE sites.		

**— VALIDATION IMAGES —**

Sample: SY5Y(Human) Cell Lysate at 30 ug  
 Primary: Anti- ELAVL4 (bs-11319R) at 1/1000  
 dilution Secondary: IRDye800CW Goat Anti-  
 Rabbit IgG at 1/20000 dilution Predicted band  
 size: 42 kD Observed band size: 42 kD



Paraformaldehyde-fixed, paraffin embedded  
 (mouse 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 (ELAVL4) Polyclonal Antibody,  
 Unconjugated (bs-11319R) at 1:200 overnight at  
 4°C, followed by operating according to SP  
 Kit(Rabbit) (sp-0023) instructions and DAB  
 staining.