

**bs-6352R****[ Primary Antibody ]****Bioss**  
**ANTIBODIES**

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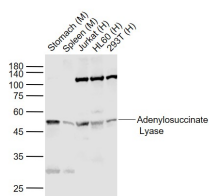
sales@bioss.com.cn

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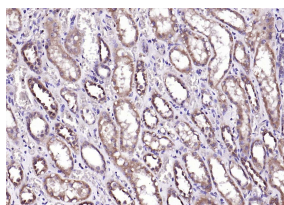
400-901-9800

**Adenylosuccinate Lyase Rabbit pAb****— DATASHEET —**

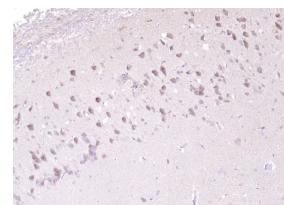
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 158	<b>SWISS:</b> P30566	<b>IHC-F</b> (1:100-500)
<b>Target:</b> Adenylosuccinate Lyase		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Adenylosuccinate Lyase: 185-280/484.		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Pig, Cow, Dog, Horse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 55 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> Cytoplasm
<b>Background:</b> Adenylosuccinate lyase is involved in both de novo synthesis of purines and formation of adenosine monophosphate from inosine monophosphate. It catalyzes two reactions in AMP biosynthesis: the removal of a fumarate from succinylaminoimidazole carboxamide (SAICA) ribotide to give aminoimidazole carboxamide ribotide (AICA) and removal of fumarate from adenylosuccinate to give AMP. Adenylosuccinate deficiency results in succinylpurinemic autism, psychomotor retardation, and, in some cases, growth retardation associated with muscle wasting and epilepsy. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008].		

**— VALIDATION IMAGES —**

Sample: Lane 1: Stomach (Mouse) Lysate at 40 ug  
Lane 2: Spleen (Mouse) Lysate at 40 ug  
Lane 3: Jurkat (Human) Cell Lysate at 30 ug  
Lane 4: HL60 (Human) Cell Lysate at 30 ug  
Lane 5: 293T (Human) Cell Lysate at 30 ug  
Primary: Anti-Adenylosuccinate Lyase (bs-6352R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 55/48 kD  
Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (Human kidney); 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 (Adenylosuccinate Lyase) Polyclonal Antibody, Unconjugated (bs-6352R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



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 (Adenylosuccinate Lyase) Polyclonal Antibody, Unconjugated (bs-6352R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.