

**bs-7652R****[ Primary Antibody ]****DNase II Rabbit pAb****BioSS**  
**ANTIBODIES**

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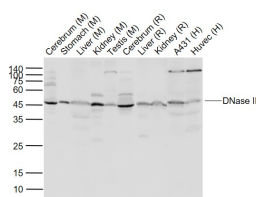
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog, Horse)
<b>GeneID:</b> 1777	<b>SWISS:</b> O00115	
<b>Target:</b> DNase II		<b>Predicted MW.:</b> 38 kDa
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human DNase II: 25-90/360.		<b>Subcellular Location:</b> Cytoplasm
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<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>Background:</b> Hydrolyzes DNA under acidic conditions with a preference for double-stranded DNA. Plays a major role in the degradation of nuclear DNA in cellular apoptosis during development. Necessary for proper fetal development and for definitive erythropoiesis in fetal liver, where it degrades nuclear DNA expelled from erythroid precursor cells.		

**— VALIDATION IMAGES —**

Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug  
 Lane 2: Stomach (Mouse) Lysate at 40 ug  
 Lane 3: Liver (Mouse) Lysate at 40 ug  
 Lane 4: Kidney (Mouse) Lysate at 40 ug  
 Lane 5: Testis (Mouse) Lysate at 40 ug  
 Lane 6: Cerebrum (Rat) Lysate at 40 ug  
 Lane 7: Liver (Rat) Lysate at 40 ug  
 Lane 8: Kidney (Rat) Lysate at 40 ug  
 Lane 9: A431 (Human) Cell Lysate at 30 ug  
 Lane 10: Huvec (Human) Cell Lysate at 30 ug  
 Primary: Anti-DNase II (bs-7652R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 38 kD  
 Observed band size: 45 kD

**— SELECTED CITATIONS —**

- **[IF=12.12]** Takahashi et al. Downregulation of cytoplasmic DNases is implicated in cytoplasmic DNA accumulation and SASP in senescent cells. Nat Commun. 2018 Mar 28;9(1):1249. ICC ;Mouse. 29593264