

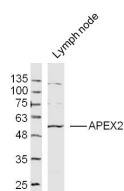
**bs-6587R****[ Primary Antibody ]****APEX2 Rabbit pAb****BioSS**  
**ANTIBODIES**

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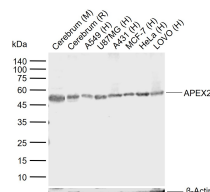
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**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Applications:** WB (1:500-2000)**Clonality:** Polyclonal**SWISS:** Q9UBZ4**Reactivity:** Human, Mouse, Rat**Target:** APEX2**Immunogen:** KLH conjugated synthetic peptide derived from human APEX2: 171-270/518.**Predicted MW.:** 57 kDa**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Subcellular Location:** Cytoplasm ,Nucleus**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:** Apurinic/aprimidinic (AP) sites occur frequently in DNA molecules by spontaneous hydrolysis, by DNA damaging agents or by DNA glycosylases that remove specific abnormal bases. AP sites are pre-mutagenic lesions that can prevent normal DNA replication so the cell contains systems to identify and repair such sites. Class II AP endonucleases cleave the phosphodiester backbone 5' to the AP site. This gene encodes a protein shown to have a weak class II AP endonuclease activity. Most of the encoded protein is located in the nucleus but some is also present in mitochondria. This protein may play an important role in both nuclear and mitochondrial base excision repair (BER).**— VALIDATION IMAGES —**

Sample: Lymph node(Mouse) Lysate at 40 ug  
 Primary: Anti- APEX2 (bs-6587R) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 57kD  
 Observed band size: 57kD



Sample: Lane 1: Mouse Cerebrum tissue lysates  
 Lane 2: Rat Cerebrum tissue lysates Lane 3:  
 Human A549 cell lysates Lane 4: Human U87MG  
 cell lysates Lane 5: Human A431 cell lysates Lane  
 6: Human MCF-7 cell lysates Lane 7: Human  
 HeLa cell lysates Lane 8: Human LOVO cell  
 lysates Primary: Anti-APEX2 (bs-6587R) at 1/1000  
 dilution Secondary: IRDye800CW Goat Anti-  
 Rabbit IgG at 1/20000 dilution Predicted band  
 size: 57 kDa Observed band size: 50 kDa