

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

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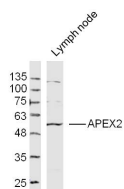
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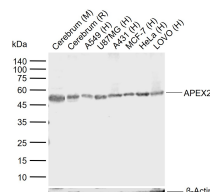
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal Target: APEX2 Immunogen: KLH conjugated synthetic peptide derived from human APEX2: 171-270/518. 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: 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).	Isotype: IgG SWISS: Q9UBZ4	Applications: WB (1:500-2000) Reactivity: Human, Mouse, Rat Predicted MW.: 57 kDa Subcellular Location: Cytoplasm ,Nucleus
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— 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

— SELECTED CITATIONS —

- **[IF=3.3]** Wang Qingzhu. et al. Cisplatin-induced APE2 overexpression disrupts MYH9 function and causes hearing loss. Cancer Research Communications. 2025 Jun;; IHC,WB ;Human,Mouse. 40464565