

APEX2 Rabbit pAb

Catalog Number: bs-6587R

Target Protein: APEX2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Human, Mouse, Rat

Predicted MW: 57 kDa

Swiss Prot: Q9UBZ4

Source: KLH conjugated synthetic peptide derived from human APEX2: 171-270/518.

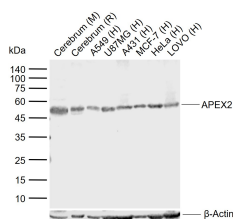
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

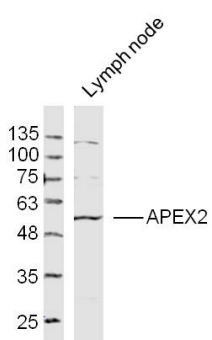
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Apurinic/apyrimidinic (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: 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



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