

## Recombinant APEX Nuclease I Antibody

Rabbit Monoclonal Antibody [Clone APEX1/13769R]

Catalog No	Format	Size
328-RBM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
328-RBM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
328-RBM2-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

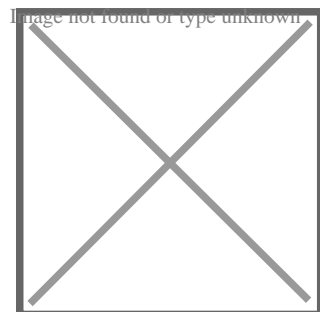
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

<b>Clone</b>	APEX1/13769R
<b>Immunogen</b>	Recombinant full-length human APEX Nuclease I protein
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG / Kappa
<b>Mol. Weight of Antigen</b>	35.55kDa
<b>Cellular Localization</b>	Cytoplasm, Endoplasmic reticulum, Mitochondrion, Nucleolus, Nucleus, Nucleus speckle
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Brain, Heart, Skeletal muscle.

*\*Optimal dilution for a specific application should be determined.*

### Product Images for Recombinant APEX Nuclease I Antibody



Western Blot Analysis of human brain, human heart and human skeletal muscle lysates using APEX Nuclease I Recombinant Rabbit Monoclonal Antibody (APEX1/13769R).

### Specificity & Comments

APEX / APE1 is a multifunctional protein that plays a central role in the cellular response to oxidative stress. The two major activities of APEX1 in DNA repair and redox regulation of transcriptional factors. Functions as a apurinic/apyrimidinic (AP) endodeoxyribonuclease in the DNA base excision repair (BER) pathway of DNA lesions induced by oxidative and alkylating agents. Patients with genetic variants in APEX1 and XRCC1 have been shown to have a higher risk of lung cancer. Elevated APEX1 levels observed in human testicular cancer may be related to relative resistance to therapy and therefore may serve as a diagnostic marker for refractory disease.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.