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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58028_P050-Biotin
Product Page	www.avivasysbio.com/apex1-antibody-middle-region-biotin-arp58028-p050-biotin.html
Name	APEX1 Antibody - middle region : Biotin (ARP58028_P050-Biotin)
Protein Size (# AA)	318 amino acids
Molecular Weight	35kDa
Conjugation	Biotin
NCBI Gene Id	328
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	APEX nuclease (multifunctional DNA repair enzyme) 1
Alias Symbols	APE, APX, APE1, APEN, APEX, HAP1, REF1
Peptide Sequence	Synthetic peptide located within the following region: HEEIDLRNPKGNKKNAGFTPOERQGFCELLQAVPLADSRHLYPNTPYAY
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	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 the major AP endonuclease in human cells. Splice variants have been found for this gene; all encode the same protein.
Protein Interactions	GADD45A; UBC; RPA3; RPA2; RPA1; rev; CCDC124; RIC8A; PABPC1; TWF2; XPOT; HNRNPUL1; ARIH2; PAPSS2; NAE1; PSMG1; TXNRD1; TXN; TCEB1; LGALS1; HNRNPK; CAPNS1; SRPK2; SRPK1; MUTYH; HMGA1; HMGA2; GZMK; GZMA; YBX1; EP300; ASCL2; STAT3; SNRPD1; SFPQ; APP; UBE2I;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-APEX1 (ARP58028_P050-Biotin) antibody
Blocking Peptide	For anti-APEX1 (ARP58028_P050-Biotin) antibody is Catalog# AAP58028 (Previous Catalog# AAPP43609)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human APEX1
Uniprot ID	P27695
Protein Name	DNA-(apurinic or apyrimidinic site) lyase
Sample Type Confirmation	APEX1 is supported by BioGPS gene expression data to be expressed in HEK293T
Protein Accession #	NP_001632
Purification	Affinity Purified
Nucleotide Accession #	NM_001641
Gene Symbol	APEX1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Zebrafish
Application	WB, IHC

Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Goat: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 86%
Image 1	 A schematic diagram of an antibody molecule, represented as a Y-shape. It consists of two heavy chains (the inner vertical lines) and two light chains (the outer diagonal lines), all connected at their bases.

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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