

Datasheet for ABIN7294932
anti-APEX1 antibody (Center)



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2 Images

Overview

Quantity:	100 µL
Target:	APEX1
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APEX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human APE1.
Specificity:	Recognizes endogenous levels of APE1 protein.
Characteristics:	Rabbit polyclonal antibody to APE1
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	APEX1
Alternative Name:	APE1 (APEX1 Products)
Background:	APE, APE1, APEX, APX, HAP1, REF1, DNA-(apurinic or apyrimidinic site) lyase, APEX nuclease,

Target Details

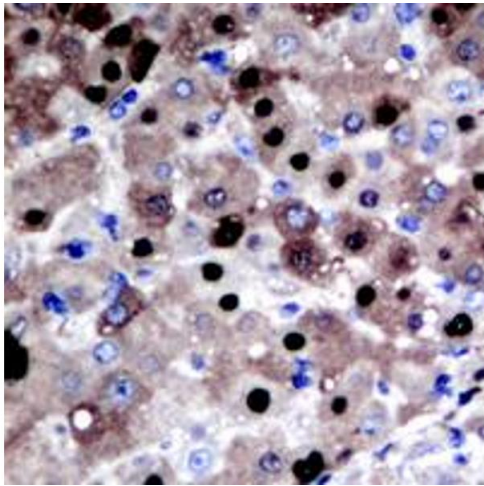
	APEN, Apurinic-apyrimidinic endonuclease 1, AP endonuclease 1, APE-1, REF-1, Redox factor-1
Gene ID:	328, 11792, 79116
UniProt:	P27695 , P28352 , P43138
Pathways:	DNA Damage Repair , Chromatin Binding , Cell RedoxHomeostasis , Smooth Muscle Cell Migration , Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200)
Restrictions:	For Research Use only

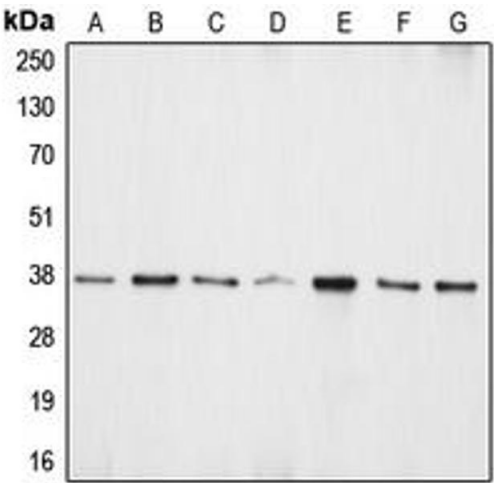
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



Immunohistochemistry

Image 1. Immunohistochemical analysis of APE1 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blotting

Image 2. Western blot analysis of APE1 expression in HeLa (A), Jurkat (B), SW480 (C), A431 (D), NIH3T3 (E), mouse kidney (F), rat lung (G) whole cell lysates.