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Datasheet for ABIN6241838 anti-NEIL3 antibody

Image



Overview

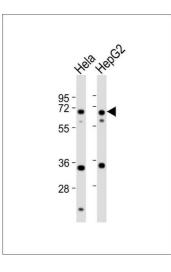
Quantity:	100 µL
Target:	NEIL3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEIL3 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	synthetic peptide
Target Details	
Target:	NEIL3
Alternative Name:	NEIL3 (NEIL3 Products)
Background:	DNA glycosylase which prefers single-stranded DNA (ssDNA), or partially ssDNA structures such as bubble and fork structures, to double-stranded DNA (dsDNA). In vitro, displays strong glycosylase activity towards the hydantoin lesions spiroiminodihydantoin (Sp) and guanidinohydantoin (Gh) in both ssDNA and dsDNA, also recognizes FapyA, FapyG, 5-OHU, 5- OHC, 5- OHMH, Tg and 8-oxoA lesions in ssDNA. No activity on 8-oxoG detected. Also shows weak DNA-(apurinic or apyrimidinic site) lyase activity. In vivo, appears to be the primary enzyme involved in removing Sp and Gh from ssDNA in neonatal tissues. Seems to be an important facilitator of cell proliferation in certain populations, for example neural

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Target Details

	stem/progenitor cells and tumor cells, suggesting a role in replication-associated DNA repair.
UniProt:	Q8TAT5
Pathways:	DNA Damage Repair
Application Details	
Application Notes:	WB: 1:1000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Storage:	4 °C,-20 °C

Images



Western Blotting

Image 1. All lanes : Anti-NEIL3 Antibody at 1:1000 dilution Lane 1: Hela whole cell lysates Lane 2: HepG2 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 68 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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