



NTHL1 Monoclonal Antibody

Catalog No	BYmab-05572
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	NTHL1 NTH1 OCTS3
Protein Name	Endonuclease III-like protein 1 (EC 4.2.99.18)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	NTHL1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	34kD
Cell Pathway	Nucleus . Mitochondrion .
Tissue Specificity	Widely expressed with highest levels in heart and lowest levels in lung and liver.
Function	catalytic activity:The C-O-P bond 3' to the apurinic or apyrimidinic site in DNA is broken by a beta-elimination reaction, leaving a 3'-terminal unsaturated sugar and a product with a terminal 5'-phosphate.,caution:It is uncertain whether Met-1, Met-9 or Met-16 is the initiator.,cofactor:Binds 1 4Fe-4S cluster. The cluster is not important for the catalytic activity, but which is probably involved in the proper positioning of the enzyme along the DNA strand.,developmental stage:Expression levels are regulated during the cell cycle with increased levels during early and mid S-phase.,function:Has both an apurinic and/or apyrimidinic endonuclease activity and a DNA N-glycosylase activity. Incises damaged DNA at cytosines, thymines and guanines. Acts on a damaged strand, 5' from the damaged site. Required for the repair of both oxidative DNA damage and spontaneous mutagenic lesions.,similar:

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Background	The protein encoded by this gene is a DNA N-glycosylase of the endonuclease III family. Like a similar protein in E. coli, the encoded protein has DNA glycosylase activity on DNA substrates containing oxidized pyrimidine residues and has apurinic/apyrimidinic lyase activity. [provided by RefSeq, Oct 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

