

# NUDT18 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12963

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q6ZVK8</a>
<b>Other Accession</b>	<a href="#">NM_024815</a> , <a href="#">NP_079091</a>
<b>Reactivity</b>	Human, Mouse, Rat, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Rat, Rabbit, Pig, Dog, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	35501

## Additional Information

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<b>Gene ID</b>	79873
<b>Alias Symbol</b>	FLJ22494
<b>Other Names</b>	8-oxo-dGDP phosphatase NUDT18, 3.6.1.58, 2-hydroxy-dADP phosphatase, 7, 8-dihydro-8-oxoguanine phosphatase, MutT homolog 3, Nucleoside diphosphate-linked moiety X motif 18, Nudix motif 18, NUDT18, MTH3
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-NUDT18 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	NUDT18 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	NUDT18 ( <a href="#">HGNC:26194</a> )
<b>Function</b>	Mediates the hydrolysis of oxidized nucleoside diphosphate derivatives. Hydrolyzes 8-oxo-7,8-dihydroguanine (8-oxo-Gua)-containing deoxyribo- and ribonucleoside diphosphates to the monophosphates. Hydrolyzes 8-oxo-dGDP and 8-oxo-GDP with the same efficiencies. Also hydrolyzes 8-OH-dADP and 2-OH-dADP. Exhibited no or minimal hydrolysis activity against 8-oxo-dGTP, 8-oxo-GTP, dGTP, GTP, dGDP and GDP. Probably removes oxidized guanine nucleotides from both the DNA and RNA precursor pools.

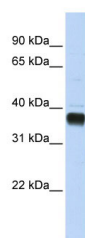
## References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Nusbaum C.,et al.Nature 439:331-335(2006).  
Takagi Y.,et al.J. Biol. Chem. 287:21541-21549(2012).

## Images

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WB Suggested Anti-NUDT18 Antibody Titration: 0.2-1  
µg/ml  
ELISA Titer: 1:62500  
Positive Control: Transfected 293T

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.