



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## OGG1 purified MaxPab mouse polyclonal antibody (B01P) MaxPab®

Catalog # : H00004968-B01P

規格 : [ 50 ug ]

[List All](#)

### Specification

**Product Description:** Mouse polyclonal antibody raised against a full-length human OGG1 protein.

**Immunogen:** OGG1 (NP\_058212.1, 1 a.a. ~ 324 a.a) full-length human protein.

**Sequence:**  
 MPARALLPRRMGHRTLASTPALWASIPCPRSELRLDLVLPQGQSFWRW  
 EQSPAHWSGVLADQVWTLTQTEEQLHCTVYRGDKSQASRPTPDELEA  
 VRKYFQLDVTLAQLYHHWGSVDSHFQEVAQKFQGVRLLRQDPIECLFS  
 FICSSNNIARITGMVERLCQAFGPRLIQLDDVTYHGFPSLQALAGPEVEA  
 HLRKLGGLGYRARYVSASARAILEEQGLAWLQQLRESSYEEAHKALCILP  
 GVGTKVADCICLMALDKPQAVPVDVHMWHIAQRDYSWHPTTSQAKGPS  
 PQTNKELGNFFRSLWGPYAGWAQAVSVPRCPP

**Host:** Mouse

**Reactivity:** Human

**Quality Control Testing:** Antibody reactive against mammalian transfected lysate.

**Storage Buffer:** In 1x PBS, pH 7.4

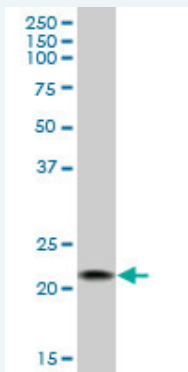
**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Applications

#### Western Blot (Tissue lysate)



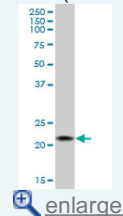
OGG1 MaxPab polyclonal antibody. Western Blot analysis of OGG1 expression in human kidney.

[Protocol Download](#)

#### Western Blot (Transfected lysate)

### Application Image

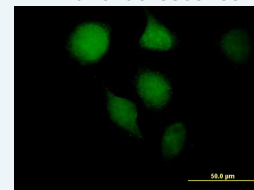
#### Western Blot (Tissue lysate)

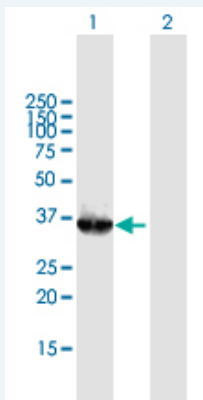


#### Western Blot (Transfected lysate)



#### Immunofluorescence



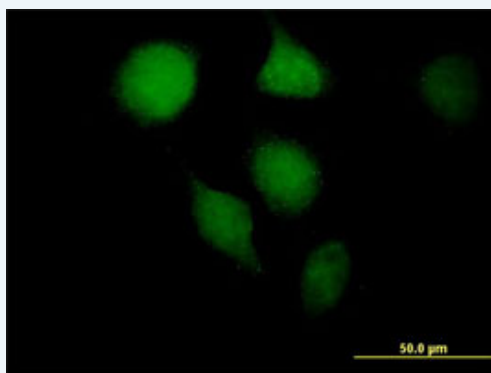


Western Blot analysis of OGG1 expression in transfected 293T cell line ([H00004968-T01](#)) by OGG1 MaxPab polyclonal antibody.

Lane 1: OGG1 transfected lysate(35.64 KDa).  
Lane 2: Non-transfected lysate.

[Protocol Download](#)

### Immunofluorescence



enlarge this image

Immunofluorescence of [purified](#) MaxPab antibody to OGG1 on HeLa cell. [antibody concentration 10 ug/ml]

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### Gene Information

Entrez GeneID: [4968](#)

GeneBank [NM\\_016819.2](#)  
Accession#:

Protein [NP\\_058212.1](#)  
Accession#:

Gene Name: OGG1

Gene Alias: HMMH,HOGG1,MUTM,OGH1

Gene Description: 8-oxoguanine DNA glycosylase

Omim ID: [144700](#), [601982](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** This gene encodes the enzyme responsible for the excision of 8-oxoguanine, a mutagenic base byproduct which occurs as a result of exposure to reactive oxygen. The action of this enzyme includes lyase activity for chain cleavage. Alternative splicing of the C-terminal region of this gene classifies splice variants into two major groups, type 1 and type 2, depending on the last exon of the sequence. Type 1 alternative splice variants end with exon 7 and type 2 end with exon 8. All variants share the N-terminal region in common, which contains a mitochondrial

targeting signal that is essential for mitochondrial localization. Many alternative splice variants for this gene have been described, but the full-length nature for every variant has not been determined. [provided by RefSeq]

**Other Designations:** 8-hydroxyguanine DNA glycosylase, OTTHUMP00000122619

### Gene Pathway

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[Base excision repair](#)

### Related Disease

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[Adenocarcinoma](#) [Adenoma](#) [Adenomatous Polyposis Coli](#) [Adenomatous Polyps](#)  
[Alzheimer Disease](#) [Alzheimer disease](#) [Amyotrophic Lateral Sclerosis](#)  
[Amyotrophic lateral sclerosis](#) [Angiomyolipoma](#) [Asbestosis](#) [Ataxia telangiectasia](#) [Atrophy](#)  
[Barrett Esophagus](#) [Biliary Tract Neoplasms](#) [Brain Neoplasms](#) [Breast cancer](#)  
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