

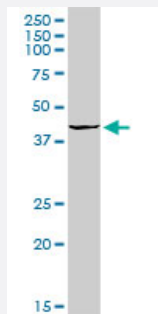
MaxPab®

OGG1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004968-D01P

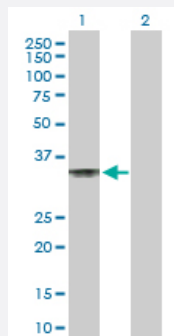
Size 100 ug

Applications



Western Blot (Cell lysate)

OGG1 MaxPab rabbit polyclonal antibody. Western Blot analysis of OGG1 expression in Jurkat.



Western Blot (Transfected lysate)

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

Lane 1: OGG1 transfected lysate(36.40 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit 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

MPARALLPRRMGHRRLASTPALWASIPCPRSELRLDLVLPSSGQSFRWREQSPAHWSGVLADQV
WTLTQTEEQQLHCTVYRGDKSQASRPTPDELEAVRKYFQLDVTLAQLYHHWGSVDSHFQEVAQK
FQGVRLRLQDPIECFLSFICSSNNNNIARITGMVERLCQAFGPRLIQLDDVTYHGFPSLQALAGPEVE
AHLRKLGLGYRARYVSASARAILEEQGGLAWLQQLRESSYEEAHKALCILPGVGTKVADCICLMAL
DKPQAVPVDVHMWHIAQRDYSWHPTTSQAKGPSPQTNKELGNFFRSLWGPYAGWAQAVSVPR
CPP

Host

Rabbit

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.

Applications

- Western Blot (Cell lysate)

OGG1 MaxPab rabbit polyclonal antibody. Western Blot analysis of OGG1 expression in Jurkat.

[Protocol Download](#)

- Western Blot (Transfected lysate)

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

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[Protocol Download](#)

Gene Info — OGG1

Entrez GeneID	4968
GeneBank Accession#	NM_016819.2
Protein Accession#	NP_058212.1
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

Pathway

- [Base excision repair](#)

Disease

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

- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Chromosome Breakage](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cocarcinogenesis](#)
- [Cognition](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Cystic Fibrosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Gallbladder Neoplasms](#)
- [Gallstones](#)
- [Gastritis](#)

- [Gastrointestinal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Glioma](#)
- [Graft vs Host Disease](#)
- [Head and Neck Neoplasms](#)
- [Helicobacter Infections](#)
- [Huntington Disease](#)
- [Insulin Resistance](#)
- [Intestinal Polyps](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leiomyoma](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mesothelioma](#)
- [Metabolic Syndrome X](#)
- [Metaplasia](#)
- [Micronuclei](#)
- [Microsatellite Instability](#)
- [Mitochondrial Diseases](#)

- [Mouth Abnormalities](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Myelodysplastic Syndromes](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Oropharyngeal Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Papillomavirus Infections](#)
- [Parkinson Disease](#)
- [Pharyngeal Neoplasms](#)
- [Pleural Neoplasms](#)
- [Pneumoconiosis](#)
- [Poisoning](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)

- [Pterygium](#)
- [Pulmonary Disease](#)
- [Radiation Injuries](#)
- [Rectal Neoplasms](#)
- [Schizophrenia](#)
- [Skin Neoplasms](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)
- [Tooth Loss](#)
- [Translocation](#)
- [Tuberous sclerosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Uterine Neoplasms](#)
- [Werner syndrome](#)