

DNAXPAb

Hard-to-Find
Antibody

OGG1 DNAXPab

Catalog # H00004968-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human OGG1 DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MPARALLPRRMGHRTLASTPALWASIPCPRSELRLDLVLP SGQSFRWREQSPAHW SGVLADQV WTLTQTEEQLHCTVYRGDKSQASRPTPDELEAVRKYFQLDVT LAQLYHHWGSVD SHFQEVAQK FQGVRLLRQDPIEC LFSFICSSNNNIARITGMVERLCQAFGPRLIQ LDDVTYHGFP SLQALAGPEVE AHLRKLGLGYRARYVSASARAILEEQGGLAWLQQLRESSYEEAHKALC ILPGVGTKVAD CICLMAL DKPQAVPVDVHMWHIAQRDYSWHPTTSQAKGPSPQTNKELGNFFRSLWGPYAGWAQAVLFSA DLRQCRHAQEPPAKRRKGSKGPEG
Host	Rabbit
Reactivity	Human
Purification	Protein A
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — OGG1

Entrez GeneID [4968](#)

GeneBank Accession# [BC000657](#)

Protein Accession# [AAH00657](#)

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](#)