ARG64260
anti-Ogg1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Ogg1
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Ogg1
Species	Mouse
Immunogen	C-HPKTSQAKGPSPLANK
Conjugation	Un-conjugated
Alternate Names	EC 4.2.99.18; N-glycosylase/DNA lyase [Includes: 8-oxoguanine DNA glycosylase; HOGG1; MUTM; OGH1; AP lyase; HMMH; apurinic or apyrimidinic site; EC 3.2.2.-

Application Instructions

Application table

Application	Dilution
IHC-P	5 µg/ml
WB	0.1 - 0.3 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

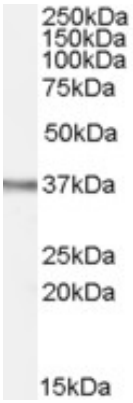
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

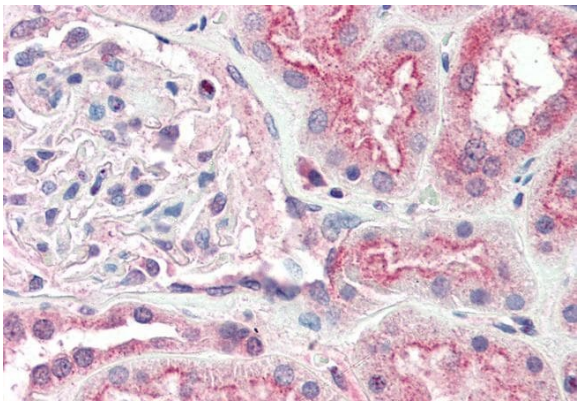
Database links	GeneID: 4968 Human GeneID: 81528 Rat Swiss-port # O15527 Human Swiss-port # O70249 Rat
Gene Symbol	Ogg1
Gene Full Name	8-oxoguanine DNA-glycosylase 1
Background	This gene encodes the enzyme responsible for the excision of 8-oxoguanine, a mutagenic base byproduct which occurs as a result 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, Aug 2008]
Function	DNA repair enzyme that incises DNA at 8-oxoG residues. Excises 7,8-dihydro-8-oxoguanine and 2,6-diamino-4-hydroxy-5-N-methylformamidopyrimidine (FAPY) from damaged DNA. Has a beta-lyase activity that nicks DNA 3' to the lesion. [UniProt]
Research Area	Cancer antibody; Gene Regulation antibody
Calculated Mw	39 kDa

Images



ARG64260 anti-Ogg1 antibody WB image

Western Blot: Rat Spleen lysate (35 µg protein in RIPA buffer) stained with ARG64260 anti-Ogg1 antibody at 0.1 µg/ml dilution.



ARG64260 anti-Ogg1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64260 anti-Ogg1 antibody at 5 µg/ml dilution followed by AP-staining.