

# Product Datasheet

## OGG1 Antibody (2B4) - BSA Free NBP2-52724

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 2

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**NBP2-52724**

OGG1 Antibody (2B4) - BSA Free

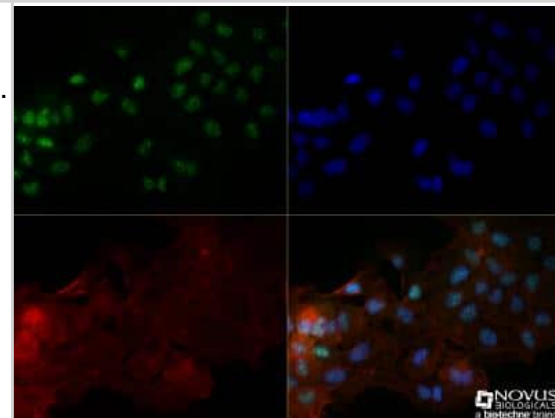
Product Information	
Unit Size	0.1 mg
Concentration	0.9 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2B4
Preservative	0.05% Sodium Azide
Isotype	IgG2b
Purity	Protein A or G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse OGG1 Antibody (2B4) - BSA Free (NBP2-52724) is a monoclonal antibody validated for use in IHC, Flow and ICC/IF. Anti-OGG1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4968
Gene Symbol	OGG1
Species	Human
Immunogen	Partial recombinant protein made to an internal sequence of the human OGG1 protein (between amino acids 100-300) [Uniprot: O15527]

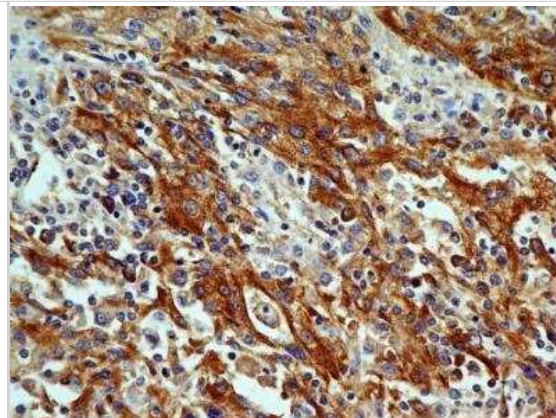
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Flow Cytometry 2-5 ug/ml, Immunohistochemistry 5 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml, Flow (Intracellular)

**Images**

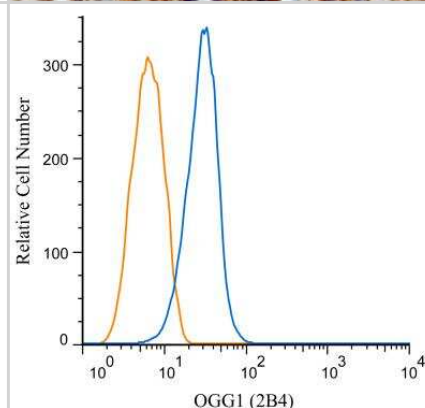
Immunocytochemistry/Immunofluorescence: OGG1 Antibody (2B4) [NBP2-52724] - A431 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with OGG1 (2B4) at a 1:100 dilution overnight at 4 degrees Celsius and detected with DyLight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were detected with DAPI (Blue) at 2.0 ug/ml in 1X PBS. Cells were imaged using a 40X objective.



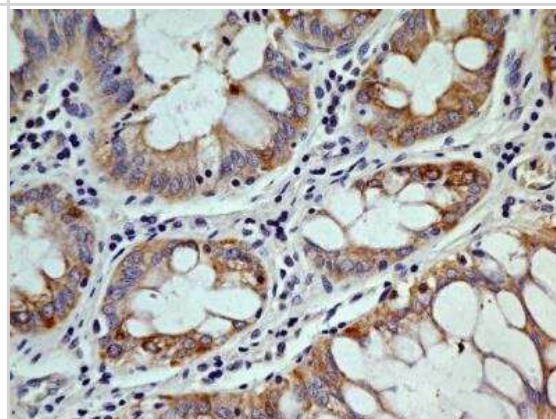
**Immunohistochemistry-Paraffin: OGG1 Antibody (2B4) [NBP2-52724] - Analysis of OGG1 antibody (clone 4E8) at 5 ug/ml generated a general cytoplasmic staining pattern with intense nuclear staining in select cells renal cell carcinoma.**



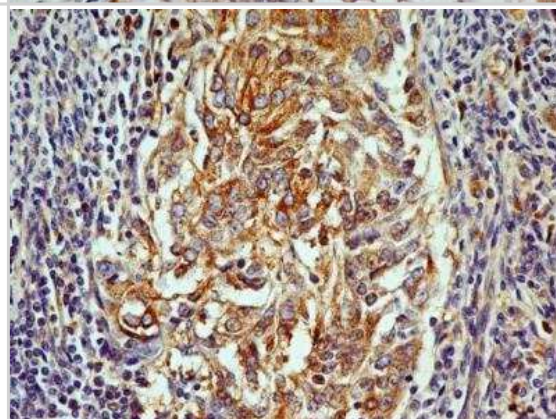
**Flow (Intracellular): OGG1 Antibody (2B4) [NBP2-52724] - An intracellular stain was performed on HeLa cells with OGG1 (2B4) antibody NBP2-52724 (Blue) and a matched isotype control NBP2-27231 (Orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature, followed by mouse F(ab)2 IgG (H+L) APC-conjugated secondary antibody (F0101B, R&D Systems).**



**Immunohistochemistry-Paraffin: OGG1 Antibody (2B4) [NBP2-52724] - Analysis of OGG1 antibody (clone 4E8) at 5 ug/ml generated a general cytoplasmic staining pattern with intense nuclear staining in select cells rectum adenocarcinoma.**



**Immunohistochemistry-Paraffin: OGG1 Antibody (2B4) [NBP2-52724] - Analysis of OGG1 antibody (clone 4E8) at 5 ug/ml generated a general cytoplasmic staining pattern with intense nuclear staining in select cells endometrial carcinoma.**



## Publications

Wang B, Qiao L et al. Mitochondrial DNA D loop lesions with the enhancement of DNA repair contribute to gastrointestinal cancer progression. *Oncol Rep* 2018-01-12 [PMID: 30272316] (IF/IHC, Human)

El-Sayed T, Patel AS, Cho JS et al. Radiation-Induced DNA Damage in Operators Performing Endovascular Aortic Repair. *Circulation*. 2017-12-19 [PMID: 29054934] (FLOW, Human)

Details:

Citation using the PerCP form of this antibody.





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### Products Related to NBP2-52724

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP1-45318-0.1mg	Recombinant Human OGG1 His Protein

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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