

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.

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NBP2-52724

OGG1 Antibody (2B4) - BSA Free

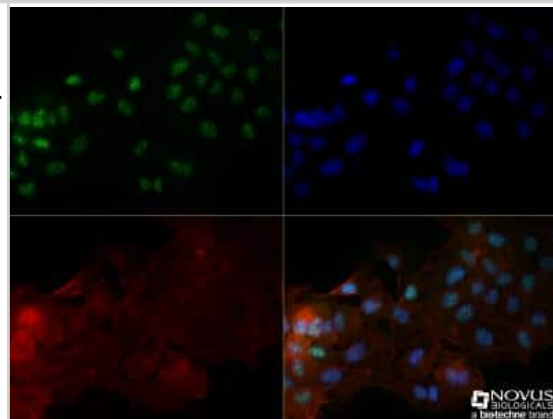
Product Information	
Unit Size	0.1 mg
Concentration	0.9 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2B4
Preservative	0.05% Sodium Azide
Isotype	IgG2b
Purity	Protein A or G purified
Buffer	PBS

Product Description	
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]

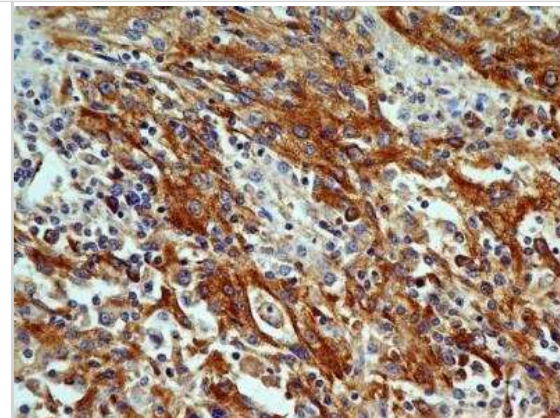
Product Application Details	
Applications	Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 2-5 ug/ml, Immunohistochemistry 5 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml,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

Images

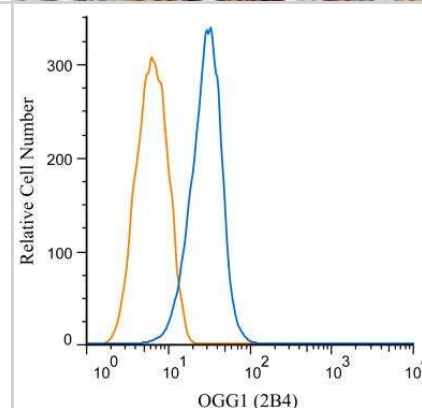
Immunocytochemistry/Immunofluorescence: OGG1 Antibody (2B4) [NBP2-52724] - A431 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with OGG1 (2B4) at a 1:100 dilution overnight at 4 degrees Celsius and detected 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.



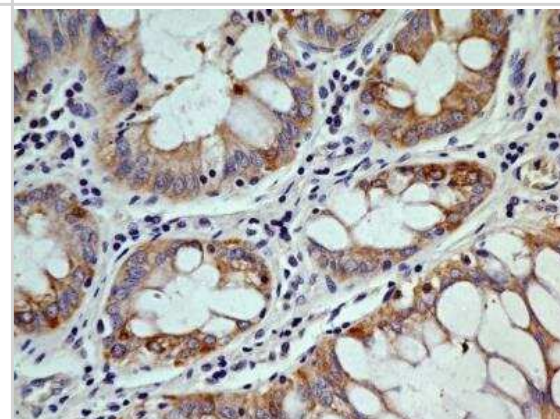
Immunohistochemistry-Paraffin: OGG1 Antibody (2B4) [NBP2-52724] - Analysis of OGG1 antibody (clone 4E8) at 5 ug/ml generated a general cytoplasmic staining pattern with intense nuclear staining in select cells renal cell carcinoma.



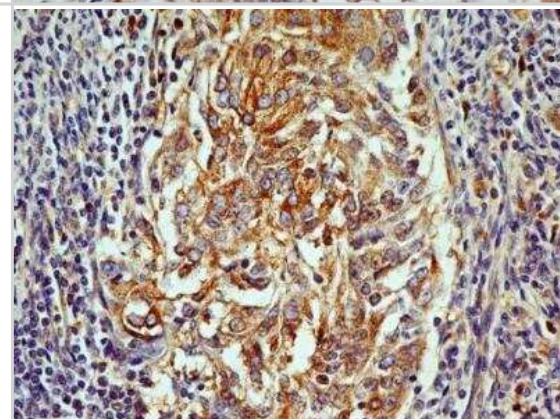
Flow (Intracellular): OGG1 Antibody (2B4) [NBP2-52724] - An intracellular stain was performed on HeLa cells with OGG1 (2B4) antibody NBP2-52724 (Blue) and a matched isotype control NBP2-27231 (Orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody 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

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP1-45318-0.1mg	Recombinant Human OGG1 His Protein

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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