

# Product Datasheet

## OSGEP Antibody (OT19E3)

### NBP2-00823

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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#### Publications: 2

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**NBP2-00823**

OSGEP Antibody (OTI9E3)

Product Information	
Unit Size	0.1 ml
Concentration	0.82 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI9E3
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	36.2 kDa

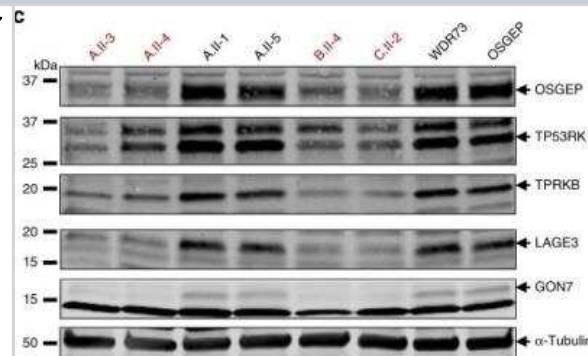
Product Description	
Description	Novus Biologicals Mouse OSGEP Antibody (OTI9E3) (NBP2-00823) is a monoclonal antibody validated for use in IHC, WB and Flow. Anti-OSGEP Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	55644
Gene Symbol	OSGEP
Species	Human, Mouse, Rat, Canine
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Human recombinant protein fragment corresponding to amino acids 1-335 of human OSGEP(NP_060277) produced in E.coli.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin 1:150

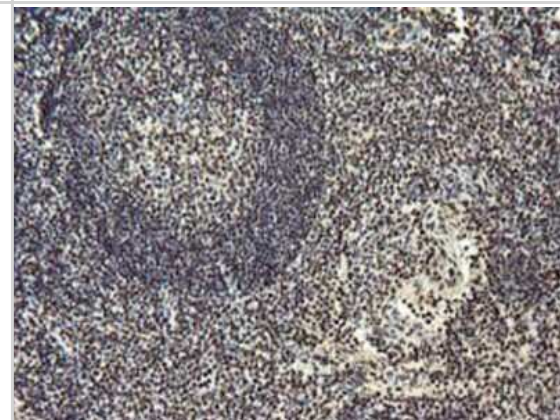


## Images

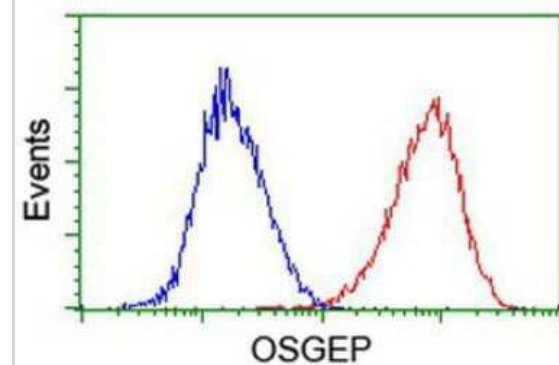
**Western Blot: OSGEP Antibody (OTI9E3) [NBP2-00823] - Role of GON7 on KEOPS complex stability.** Western blot analysis of protein expression level of the five KEOPS subunits, including LAGE3 (NBP2-32715), in lymphoblastoid cell lines from two unaffected relatives (A.II-1 and A.II-5), four individuals with the GON7 mutation p.Tyr\*7, one individual with the OSGEP antibody mutations p.Arg325Gln and p.Arg280His, and one individual with GAMOS linked to WDR73 mutations. One representative western blot is shown (three independent experiments were performed). Alpha-Tubulin was used as a loading control. Image collected and cropped by CiteAb from the following publication (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6722078/>) licensed under a CC-BY license.



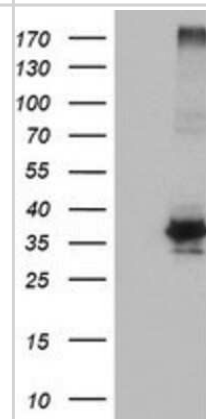
**Immunohistochemistry-Paraffin: OSGEP Antibody (9E3) [NBP2-00823] - Staining of paraffin-embedded Human tonsil using anti-OSGEP mouse monoclonal antibody.**



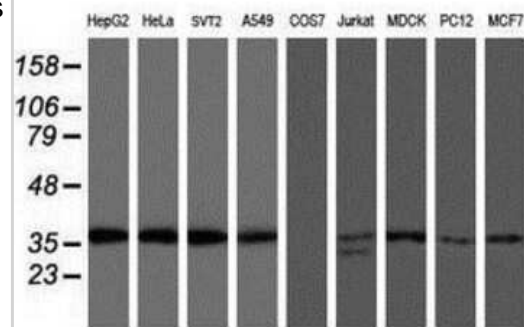
**Flow Cytometry: OSGEP Antibody (9E3) [NBP2-00823] - Analysis of HeLa cells, using anti-OSGEP antibody, (Red), compared to a nonspecific negative control antibody (Blue).**



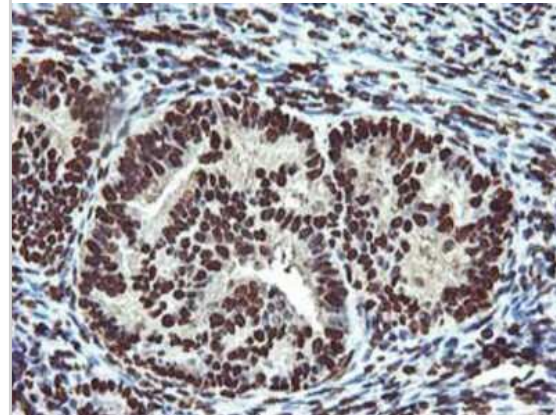
**Western Blot: OSGEP Antibody (9E3) [NBP2-00823] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY OSGEP (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-OSGEP.**



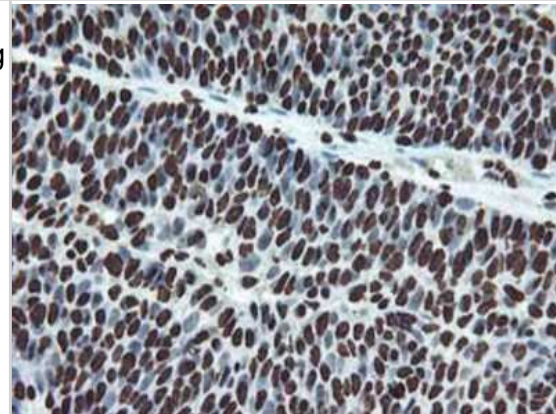
Western Blot: OSGEP Antibody (9E3) [NBP2-00823] Analysis of extracts (35ug) from 9 different cell lines by using anti-OSGEP monoclonal antibody.



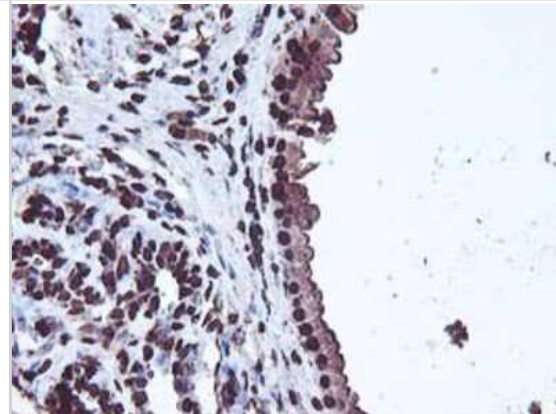
Immunohistochemistry-Paraffin: OSGEP Antibody (9E3) [NBP2-00823] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-OSGEP mouse monoclonal antibody.



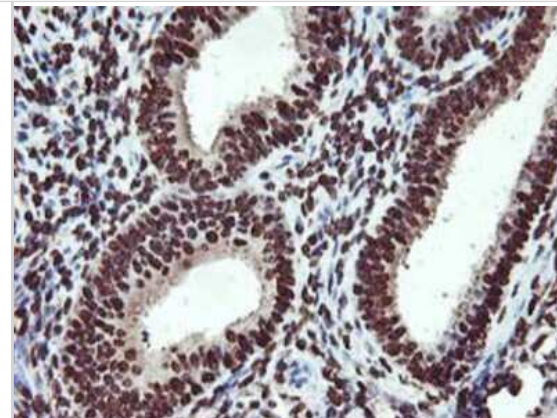
Immunohistochemistry-Paraffin: OSGEP Antibody (9E3) [NBP2-00823] - Staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-OSGEP mouse monoclonal antibody.



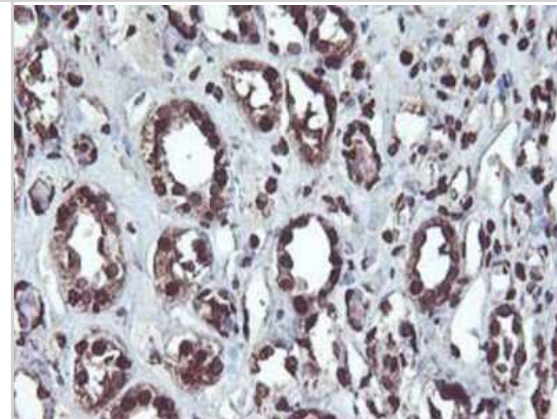
Immunohistochemistry-Paraffin: OSGEP Antibody (9E3) [NBP2-00823] - Staining of paraffin-embedded Human breast tissue using anti-OSGEP mouse monoclonal antibody.



Immunohistochemistry-Paraffin: OSGEP Antibody (9E3) [NBP2-00823] - Staining of paraffin-embedded Human endometrium tissue using anti-OSGEP mouse monoclonal antibody.



Immunohistochemistry-Paraffin: OSGEP Antibody (9E3) [NBP2-00823] - Staining of paraffin-embedded Human Kidney tissue using anti-OSGEP mouse monoclonal antibody.



## Publications

Arrondel C, Missouri S, Snoek R et al. Defects in t6A tRNA modification due to GON7 and YRDC mutations lead to Galloway-Mowat syndrome Nat Commun 2019-09-03 [PMID: 31481669] (WB, Human)

Braun DA, Rao J, Mollet G et al. Mutations in KEOPS-complex genes cause nephrotic syndrome with primary microcephaly. Nat. Genet. 2017-10-01 [PMID: 28805828] (WB, Human)



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### **Products Related to NBP2-00823**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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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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