

# Product Datasheet

## OMA1 Antibody - BSA Free

### NBP2-30971

Unit Size: 0.1 ml

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

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**NBP2-30971**

OMA1 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

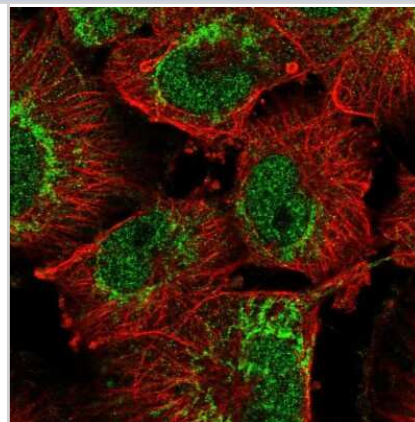
<b>Host</b>	Rabbit
<b>Gene ID</b>	115209
<b>Gene Symbol</b>	OMA1
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to amino acids: YLDRLIPQALKIREMCNCPPLSNPDPRLLFKLSTKHFLEESEKEDLNITKKQKMD TLPIQKQEQIPLTYIVEKRTGS

**Product Application Details**

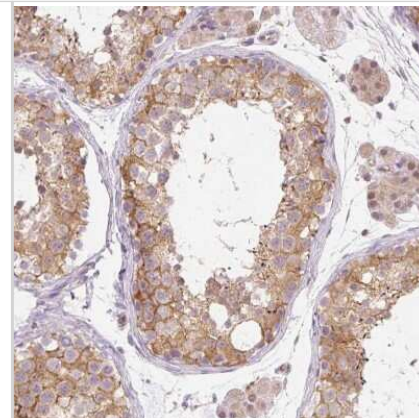
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

Immunocytochemistry/Immunofluorescence: OMA1 Antibody [NBP2-30971] - Staining of human cell line U-251 MG shows localization to nucleoplasm & mitochondria. Antibody staining is shown in green.



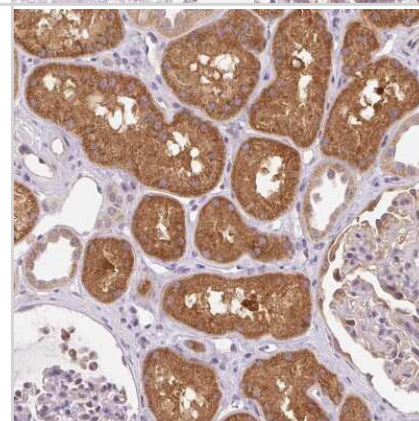
Immunohistochemistry-Paraffin: OMA1 Antibody [NBP2-30971] - Staining of human testis shows moderate granular cytoplasmic positivity in cells in seminiferous ducts.



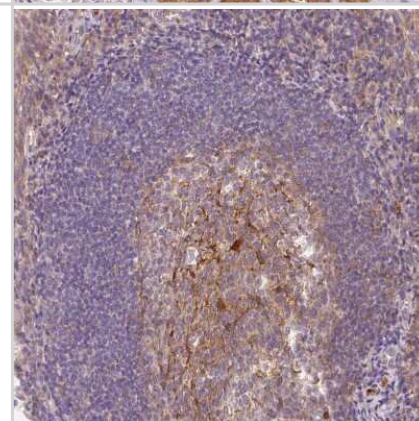
Immunohistochemistry-Paraffin: OMA1 Antibody [NBP2-30971] - Staining of human colon shows weak to moderate granular cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: OMA1 Antibody [NBP2-30971] - Staining of human kidney shows moderate to strong granular cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: OMA1 Antibody [NBP2-30971] - Staining of human lymphoid tissues shows moderate granular cytoplasmic positivity in germinal center cells.



## Publications

Consolato F, Maltecca F et al. m-AAA and i-AAA complexes coordinate to regulate OMA1, the stress-activated supervisor of mitochondrial dynamics. J Cell Sci 2018-09-04 [PMID: 29545505] (WB, Human)



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### **Products Related to NBP2-30971**

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NBP2-30971PEP	OMA1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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