

# Product Datasheet

## GRP75/HSPA9B/Mortalin Antibody (OTI9F8) NBP1-47801

Unit Size: 0.1 ml

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

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**NBP1-47801**

GRP75/HSPA9B/Mortalin Antibody (OTI9F8)

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI9F8
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	73.5 kDa

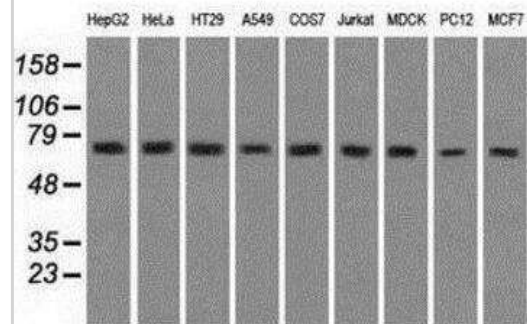
Product Description	
Host	Mouse
Gene ID	3313
Gene Symbol	HSPA9
Species	Human, Mouse, Rat, Canine, Primate, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce 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.
Marker	Immortalization Marker
Specificity/Sensitivity	This antibody is specific for Homo sapiens heat shock 70kDa protein 9 (mortalin) (HSPA9), nuclear gene encoding mitochondrial protein.
Immunogen	Full length human recombinant protein of human HSPA9 (NP_004125) produced in HEK293T cell.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000-2000, Flow Cytometry 1:100, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:50

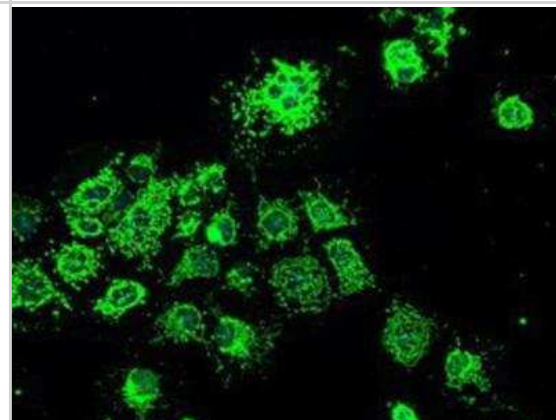


## Images

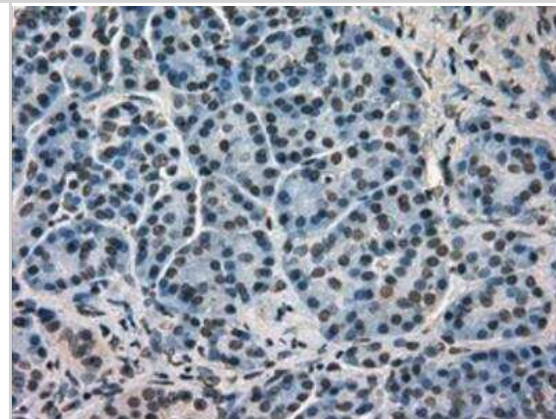
Western Blot: GRP75/HSPA9B/Mortalin Antibody (9F8) [NBP1-47801] - Analysis of extracts from 9 different cell lines: (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



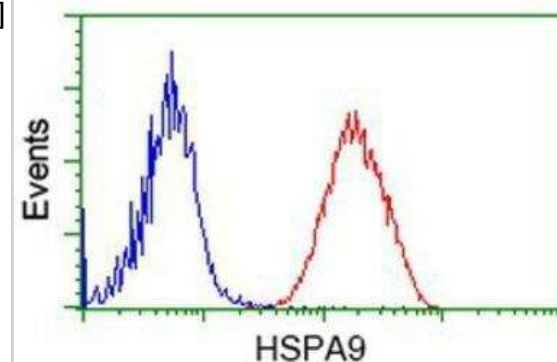
Immunocytochemistry/Immunofluorescence: GRP75/HSPA9B/Mortalin Antibody (9F8) [NBP1-47801] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY GRP75/HSPA9B/Mortalin.



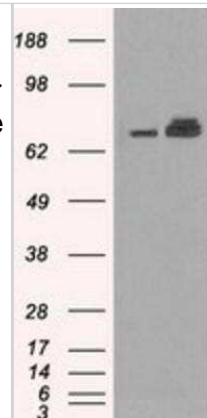
Immunohistochemistry-Paraffin: GRP75/HSPA9B/Mortalin Antibody (9F8) [NBP1-47801] - Staining of paraffin-embedded Human pancreas tissue using anti-GRP75/HSPA9B/Mortalin mouse monoclonal antibody.



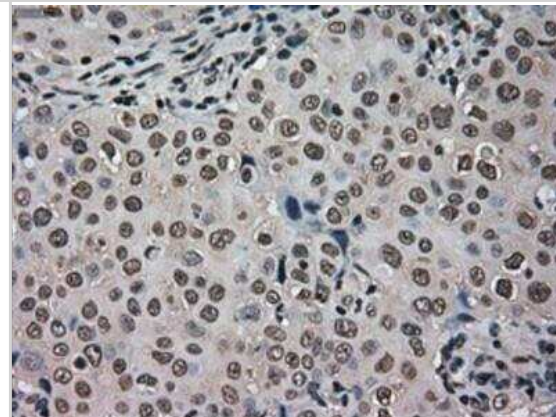
Flow Cytometry: GRP75/HSPA9B/Mortalin Antibody (9F8) [NBP1-47801] - Analysis of Jurkat cells, using anti-Mortalin antibody, (Red), compared to a nonspecific negative control antibody (Blue).



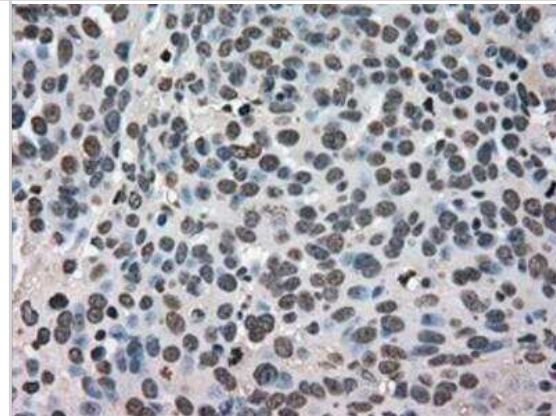
Western Blot: GRP75/HSPA9B/Mortalin Antibody (9F8) [NBP1-47801] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GRP75/HSPA9B/Mortalin (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GRP75/HSPA9B/Mortalin.



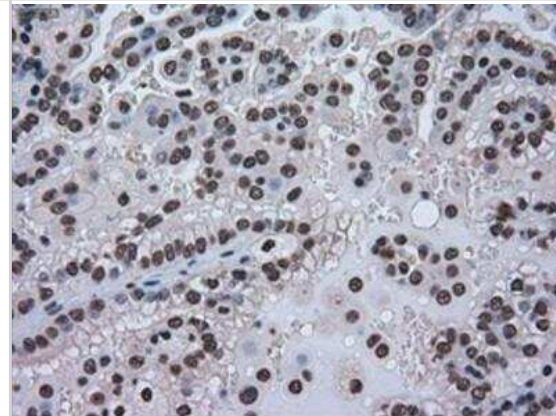
Immunohistochemistry-Paraffin: GRP75/HSPA9B/Mortalin Antibody (9F8) [NBP1-47801] - Staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-GRP75/HSPA9B/Mortalin mouse monoclonal antibody.



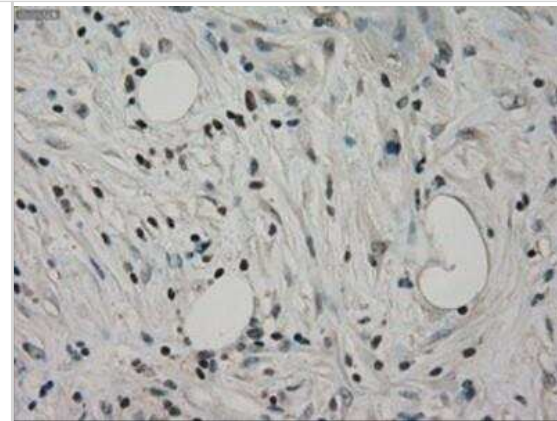
Immunohistochemistry-Paraffin: GRP75/HSPA9B/Mortalin Antibody (9F8) [NBP1-47801] - Staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-GRP75/HSPA9B/Mortalin mouse monoclonal antibody.



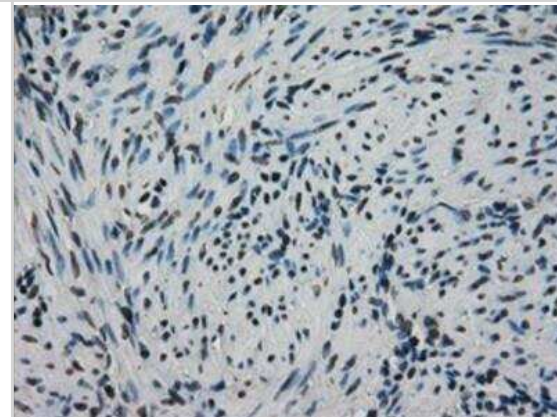
Immunohistochemistry-Paraffin: GRP75/HSPA9B/Mortalin Antibody (9F8) [NBP1-47801] - Staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-GRP75/HSPA9B/Mortalin mouse monoclonal antibody.



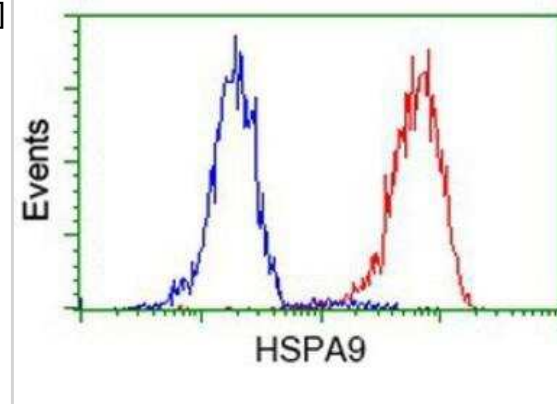
Immunohistochemistry-Paraffin: GRP75/HSPA9B/Mortalin Antibody (9F8) [NBP1-47801] - Staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-GRP75/HSPA9B/Mortalin mouse monoclonal antibody.



Immunohistochemistry-Paraffin: GRP75/HSPA9B/Mortalin Antibody (9F8) [NBP1-47801] - Staining of paraffin-embedded Human endometrium tissue using anti-GRP75/HSPA9B/Mortalin mouse monoclonal antibody.



Flow Cytometry: GRP75/HSPA9B/Mortalin Antibody (9F8) [NBP1-47801] - Analysis of Hela cells, using anti-Mortalin antibody, (Red), compared to a nonspecific negative control antibody (Blue).



## Publications

Yan Y, Yu L, Castro L, Dixon D. ERa36, a variant of estrogen receptor  $\alpha$ , is predominantly localized in mitochondria of human uterine smooth muscle and leiomyoma cells. PLoS ONE. 2017-10-11 [PMID: 29020039] (WB, Human)



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### **Products Related to NBP1-47801**

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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)
NBC1-18380	Recombinant Human GRP75/HSPA9B/Mortalin 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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