

Product Datasheet

GRP75/HSPA9B/Mortalin Antibody - BSA Free NBP1-89729

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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NBP1-89729

GRP75/HSPA9B/Mortalin Antibody - BSA Free

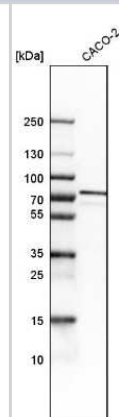
| Product Information | |
|---------------------|--|
| Unit Size | 0.1 ml |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.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

| Product Description | |
|---------------------|---|
| Host | Rabbit |
| Gene ID | 3313 |
| Gene Symbol | HSPA9 |
| Species | Human, Mouse, Rat |
| Reactivity Notes | Human reactivity reported in scientific literature (PMID: 25379943). |
| Marker | Immortalization Marker |
| Immunogen | This antibody was developed against Recombinant Protein corresponding to amino acids: GIVHVSADKDKGTGREQQIVIQSSGGLSKDDIENMVKNAEKYAEEDRRKKERVE AVNMAEGIIHDTETKMEEFKDQLPADECNLKEEISKMRELLARKDSETGENIR QAASSLQQASLKLFEFEMAYKKMASEREGSGSSGT |

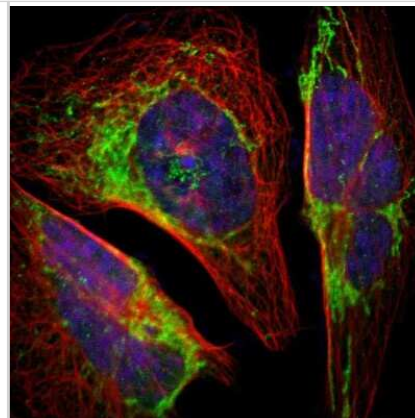
| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500 |
| Application Notes | For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. |

Images

Western Blot: GRP75/HSPA9B/Mortalin Antibody [NBP1-89729] - Analysis in human cell line CACO-2.



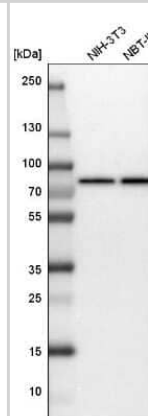
Immunocytochemistry/Immunofluorescence: GRP75/HSPA9B/Mortalin Antibody [NBP1-89729] - Staining of human cell line U-2 OS shows localization to mitochondria. Antibody staining is shown in green.



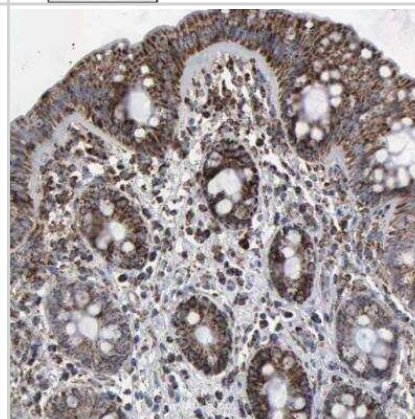
Immunohistochemistry-Paraffin: GRP75/HSPA9B/Mortalin Antibody [NBP1-89729] - Staining of human cerebral cortex shows strong positivity in mitochondria in neurons.



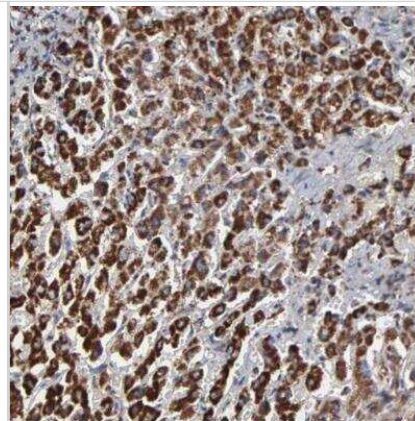
Western Blot: GRP75/HSPA9B/Mortalin Antibody [NBP1-89729] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



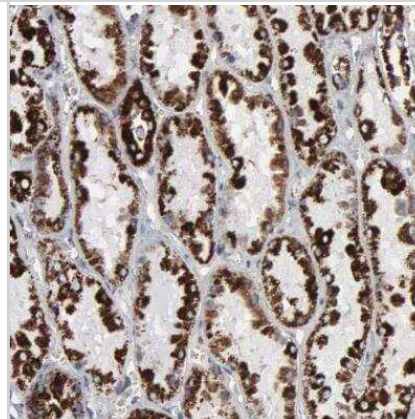
Immunohistochemistry-Paraffin: GRP75/HSPA9B/Mortalin Antibody [NBP1-89729] - Staining of human colon shows strong positivity in mitochondria in glandular cells.



Immunohistochemistry-Paraffin: GRP75/HSPA9B/Mortalin Antibody [NBP1-89729] - Staining of human liver shows strong positivity in mitochondria in hepatocytes.



Immunohistochemistry-Paraffin: GRP75/HSPA9B/Mortalin Antibody [NBP1-89729] - Staining of human kidney shows strong positivity in mitochondria in cells in tubules.



Publications

Morisaki T, Yashiro M, Kakehashi A, et al. Comparative Proteomics Analysis of Gastric Cancer Stem Cells PLoS One. 2014-11-07 [PMID: 25379943] (IF/IHC, Human)

Details:

Chorein/VPS13A antibody used for IHC- P at 1:500 dilution on gastric cancer tissue specimens - antigen retrieval for 10 minutes at 105C by autoclave in Target Retrieval Solution, endogenous peroxidase blocked with 3%H₂O₂, On/4C incubation for primary, streptavidin-peroxidase-DAB detection (Figure 3).



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Products Related to NBP1-89729

| | |
|---------------|---|
| NBP1-89729PEP | GRP75/HSPA9B/Mortalin 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 |

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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