

Product Datasheet

PERK Antibody - BSA Free NBP1-80930

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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Publications: 3

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NBP1-80930

PERK Antibody - BSA Free

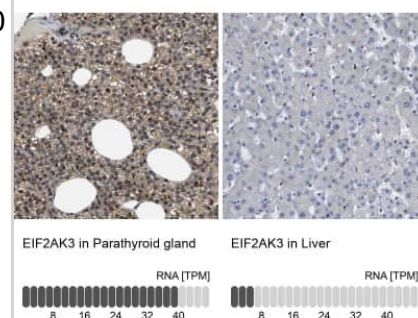
| Product Information | |
|---------------------|--|
| Unit Size | 0.1 ml |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| 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 | 9451 |
| Gene Symbol | EIF2AK3 |
| Species | Human, Chicken |
| Reactivity Notes | Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (88%), Rat (85%), Chicken reported in scientific publication (PMID: 32587659). |
| Immunogen | This antibody was developed against Recombinant Protein corresponding to amino acids: NAWLEAPPEKWQEKMDEIWLKDESTDWPLSSPSPMDAPSVKIRRMDFATKE HIEIIAPSPQRSRSFSVSGISCDQTSSSESQFSPLEFSGMDHEDISESVDAAYNLQ DSCLTDCDVEDGTMDGNDE |

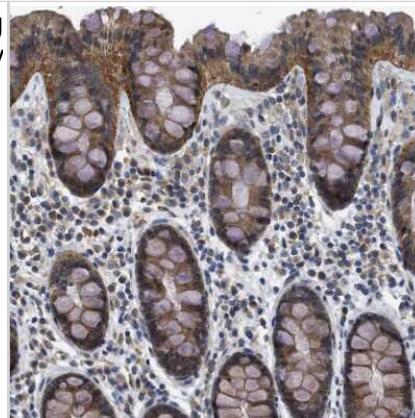
| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Western Blot Reported in scientific publication(PMID: 32587659), Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence Reported in scientific publication (PMID: 23103912), Immunohistochemistry-Paraffin 1:200 - 1:500 |
| Application Notes | For IHC-Paraffin, HIER pH 6 retrieval is recommended. |

Images

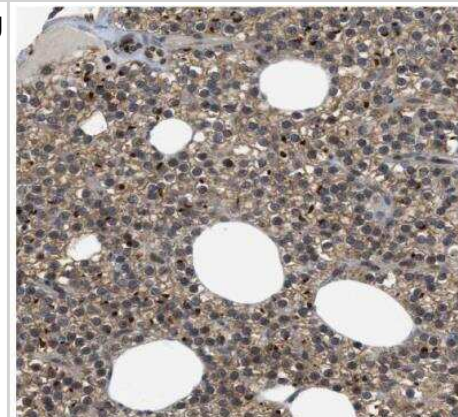
Immunohistochemistry-Paraffin: PERK Antibody [NBP1-80930] - Analysis in human parathyroid gland and liver tissues using NBP1-80930 antibody. Corresponding EIF2AK3 RNA-seq data are presented for the same tissues.



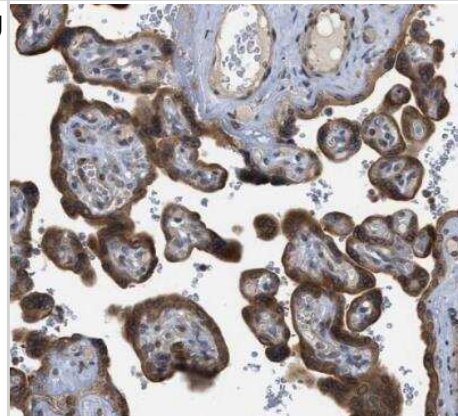
Immunohistochemistry-Paraffin: PERK Antibody [NBP1-80930] - Staining of human Colon shows moderate cytoplasmic and membranous positivity in glandular cells.



Immunohistochemistry-Paraffin: PERK Antibody [NBP1-80930] - Staining of human parathyroid gland shows strong cytoplasmic and membranous positivity in glandular cells.



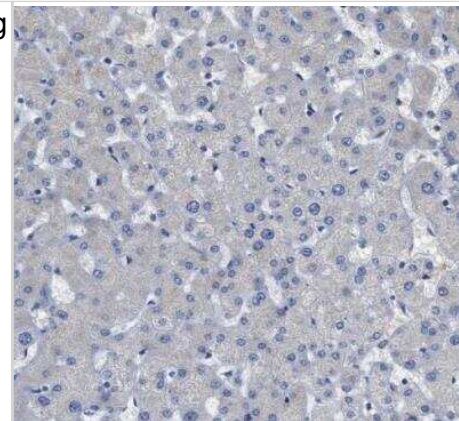
Immunohistochemistry-Paraffin: PERK Antibody [NBP1-80930] - Staining of human placenta shows strong cytoplasmic and membranous positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: PERK Antibody [NBP1-80930] - Staining of human prostate shows moderate cytoplasmic and membranous positivity in glandular cells.



Immunohistochemistry-Paraffin: PERK Antibody [NBP1-80930] - Staining of human liver shows very weak cytoplasmic positivity in hepatocytes.



Publications

Qin L, Vetreno RP, Crews FT NADPH oxidase and endoplasmic reticulum stress is associated with neuronal degeneration in orbitofrontal cortex of individuals with alcohol use disorder *Addiction biology* 2023-01-01 [PMID: 36577732] (IHC-P, Human)

Yao J, Ma Y, Lin X et al. The Attenuating Effect of the Intraovarian Bone Morphogenetic Protein 4 on Age-Related Endoplasmic Reticulum Stress in Chicken Follicular Cells *Oxid Med Cell Longev* 2020-06-08 [PMID: 32587659] (WB, Chicken)

Miri Jwa, Paul Chang. PARP16 is a tail-anchored endoplasmic reticulum protein required for the PERK- and IRE1alpha-mediated unfolded protein response. *Nature Cell Biology* 2012-01-01 [PMID: 23103912] (ICC/IF, Human)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-80930

| | |
|---------------|---|
| NBP1-80930PEP | PERK 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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