

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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Updated 12/2/2025 v.20.1

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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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

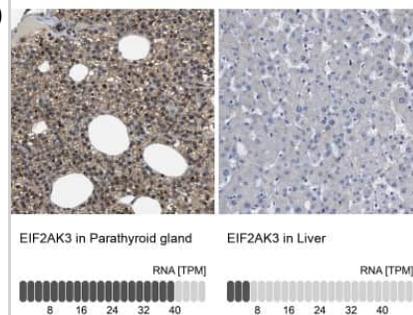
Product Description	
Description	Novus Biologicals Rabbit PERK Antibody - BSA Free (NBP1-80930) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PERK Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9451
Gene 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: NAWLEAPPEKWQEKMDIEWLKDESTDWPLSSPSPMDAPSVKIRRMDFATKE HIEIAPSPQRSRSFSVSGISCDQTSSSESQFSPLEFSGMDHEDISESVDAAYNLQ DSCLTDCDVEDGTMDGNDE

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
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.

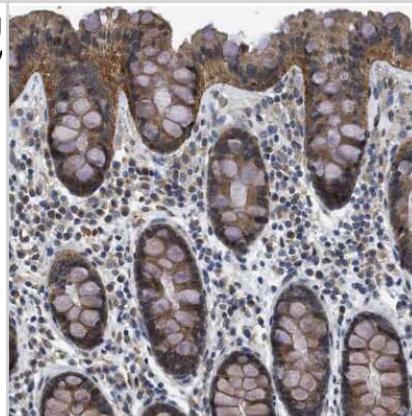


Images

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.



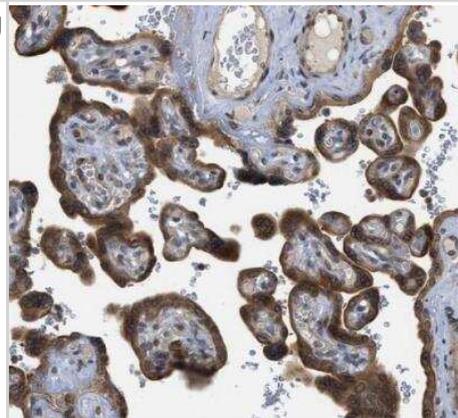
Immunohistochemistry-Paraffin: PERK Antibody [NBP1-80930] - Staining of human Colon shows moderate cytoplasmic and membranous positivity in glandular cells.



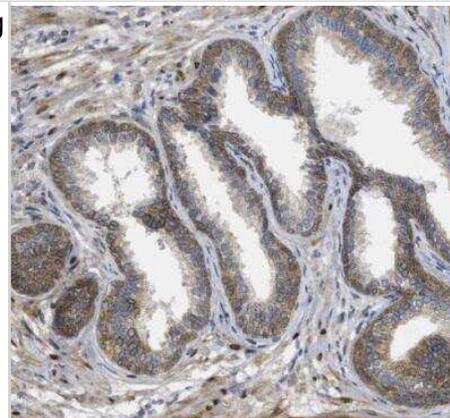
Immunohistochemistry-Paraffin: PERK Antibody [NBP1-80930] - Staining of human parathyroid gland shows strong cytoplasmic and membranous positivity in glandular cells.



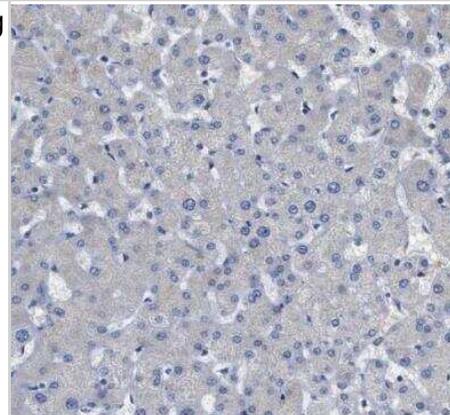
Immunohistochemistry-Paraffin: PERK Antibody [NBP1-80930] - Staining of human placenta shows strong cytoplasmic and membranous positivity in trophoblastic cells.



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)



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Products Related to NBP1-80930

NBP1-80930PEP	PERK Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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