

Product Datasheet

TRAP1 Antibody - BSA Free

NBP2-47597

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: 2

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NBP2-47597

TRAP1 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

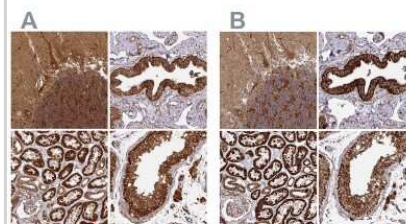
Host	Rabbit
Gene ID	10131
Gene Symbol	TRAP1
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: AMKKKDTEVLFCFEQFDELTLHLREFDKKKLISVETDIVVDHYKEEFEDRSPA AECLSEKETEEELMAWMRNVLGSRVTNVKVTLR

Product Application Details

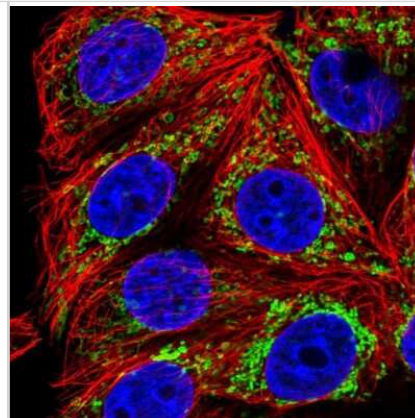
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

Immunohistochemistry-Paraffin: TRAP1 Antibody [NBP2-47597] - Staining of human cerebellum, fallopian tube, kidney and testis using Anti-TRAP1 antibody NBP2-47597 (A) shows similar protein distribution across tissues to independent antibody NBP2-47598 (B).



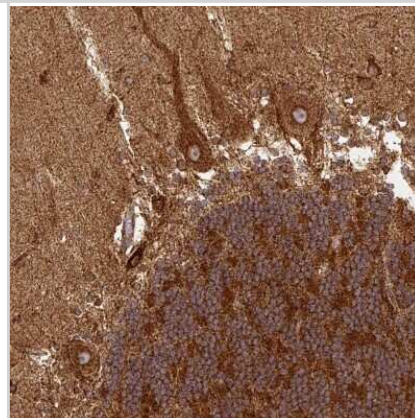
Immunocytochemistry/Immunofluorescence: TRAP1 Antibody [NBP2-47597] - Immunofluorescent staining of human cell line MCF7 shows localization to mitochondria.



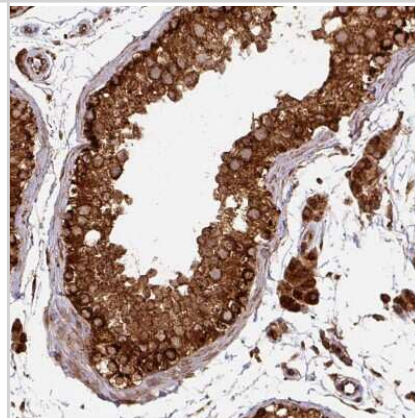
Immunohistochemistry-Paraffin: TRAP1 Antibody [NBP2-47597] - Staining of human kidney shows strong to very strong granular cytoplasmic positivity in cells in tubules.



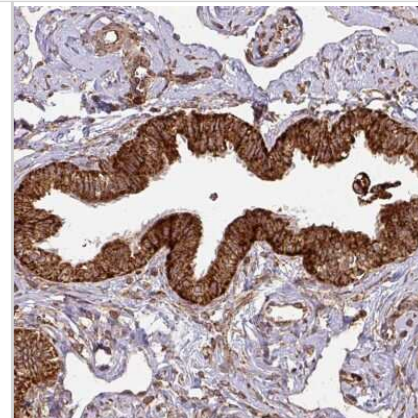
Immunohistochemistry-Paraffin: TRAP1 Antibody [NBP2-47597] - Staining of human cerebellum shows moderate to strong granular cytoplasmic positivity in Purkinje cells.



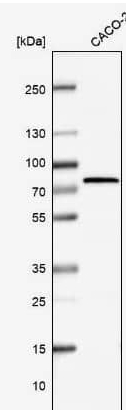
Immunohistochemistry-Paraffin: TRAP1 Antibody [NBP2-47597] - Staining of human testis shows moderate to strong granular cytoplasmic positivity in seminiferous ducts.



Immunohistochemistry-Paraffin: TRAP1 Antibody [NBP2-47597] - Staining of human fallopian tube shows strong to very strong granular cytoplasmic positivity in glandular cells.



Western Blot: TRAP1 Antibody [NBP2-47597] - Analysis in human cell line CACO-2.



Publications

Zhang L, Luo Y, Lv L et al. TRAP1 inhibits MARCH5-mediated MIC60 degradation to alleviate mitochondrial dysfunction and apoptosis of cardiomyocytes under diabetic conditions *Cell death and differentiation* 2023-09-07 [PMID: 37679468]

Zhang L, Su N, Luo Y et al. TRAP1 inhibits MIC60 ubiquitination to mitigate the injury of cardiomyocytes and protect mitochondria in extracellular acidosis *Cell death discovery* 2021-12-14 [PMID: 34907169] (ICC/IF, Rat)



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Products Related to NBP2-47597

NBP2-47597PEP	TRAP1 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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