

Product Datasheet

Aconitase 2 Antibody - BSA Free NBP1-32781

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP1-32781**Aconitase 2 Antibody - BSA Free**

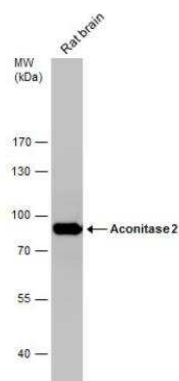
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	0.1M Tris (pH 7), 0.1M Glycine, 10% Glycerol
Target Molecular Weight	85 kDa

Product Description	
Host	Rabbit
Gene ID	50
Gene Symbol	ACO2
Species	Human, Mouse, Rat
Reactivity Notes	Xenopus laevis (86%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human Aconitase 2. The exact sequence is proprietary.

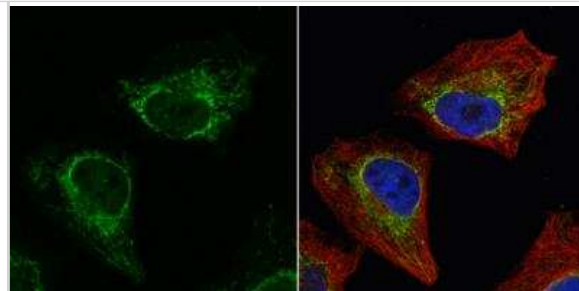
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:5000-1:20000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000

Images

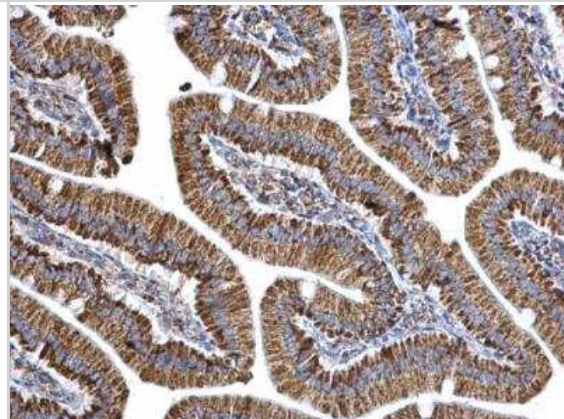
Western Blot: Aconitase 2 Antibody [NBP1-32781] - Rat tissue extract (50 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Aconitase 2 antibody [C1C3] diluted at 1:10000.



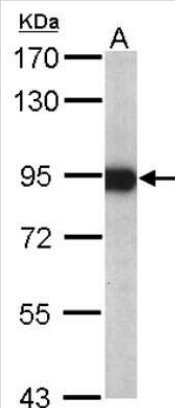
Immunocytochemistry/Immunofluorescence: Aconitase 2 Antibody [NBP1-32781] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Aconitase 2 protein stained by Aconitase 2 antibody [C1C3] diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [114] diluted at 1:500. Blue: Hoechst 33342 staining.



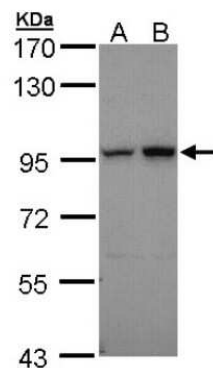
Immunohistochemistry-Paraffin: Aconitase 2 Antibody [NBP1-32781] - Paraffin-embedded mouse duodenum. Aconitase 2 antibody [C1C3] dilution: 1:500.



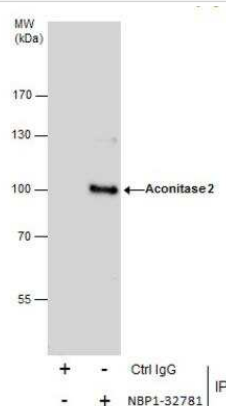
Western Blot: Aconitase 2 Antibody [NBP1-32781] - Sample (20 ug of whole cell lysate) A: mouse brain 7. 5% SDS PAGE, antibody diluted at 1:20000.



Western Blot: Aconitase 2 Antibody [NBP1-32781] - Sample (30 ug of whole cell lysate) A: 293T B: A431 7.5% SDS PAGE, antibody diluted at 1:10000.



Immunoprecipitation: Aconitase 2 Antibody [NBP1-32781] - HeLa whole cell extracts using 5 ug of Aconitase 2 antibody [C1C3]. Western blot analysis was performed using Aconitase 2 antibody [C1C3]. EasyBlot anti-Rabbit IgG was used as a secondary reagent.



Publications

Cavestro C, D'Amato M, Colombo MN et al. CoA synthase plays a critical role in neurodevelopment and neurodegeneration *Frontiers in Cellular Neuroscience* 2024-09-05 [PMID: 39301217]

Marinaccio J, Micheli E, Udroui I et al. TERT Extra-Telomeric Roles: Antioxidant Activity and Mitochondrial Protection *International journal of molecular sciences* 2023-02-23 [PMID: 36901881] (WB, Human)

Ciccarone F, De Falco P, Ciriolo MR Aconitase 2 sensitizes MCF-7 cells to cisplatin eliciting p53-mediated apoptosis in a ROS-dependent manner *Biochem. Pharmacol.* 2020-08-18 [PMID: 32818504] (WB, Human)

Ciccarone F, Di Leo L, Lazzarino G, et al. Aconitase 2 inhibits the proliferation of MCF-7 cells promoting mitochondrial oxidative metabolism and ROS/FoxO1-mediated autophagic response *Br. J. Cancer* 2019-12-10 [PMID: 31819175] (WB, Human)

Tammineni P, Anugula C, Mohammed F et al. The import of the transcription factor STAT3 into mitochondria depends on GRIM-19, a component of the electron transport chain *J Biol Chem* 2012-12-27 [PMID: 23271731] (WB, Rat)



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Products Related to NBP1-32781

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00000050-Q01-10ug	Recombinant Human Aconitase 2 GST (N-Term) Protein

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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