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FAH Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11966a

Product Information

Application	WB, IHC-P, IF, E
Primary Accession	P16930
Other Accession	NP_000128
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19635
Calculated MW	46374
Antigen Region	7-33

Additional Information

Gene ID	2184
Other Names	Fumarylacetoacetase, FAA, Beta-diketonase, Fumarylacetoacetate hydrolase, FAH
Target/Specificity	This FAH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-33 amino acids from the N-terminal region of human FAH.
Dilution	WB~~1:1000 IHC-P~~1:100~500 IF~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FAH Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FAH
Function	Catalyzes the final step in the breakdown of the amino acid tyrosine,

converting fumarylacetoacetate into fumarate and acetoacetate.

Tissue Location Mainly expressed in liver and kidney. Lower levels are also detected in many other tissues

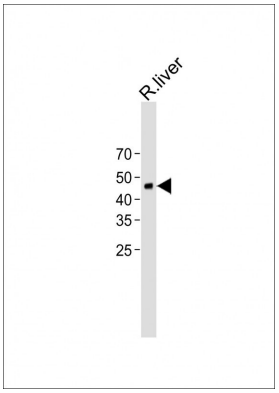
Background

This gene encodes the last enzyme in the tyrosine catabolism pathway. FAH deficiency is associated with Type 1 hereditary tyrosinemia (HT).

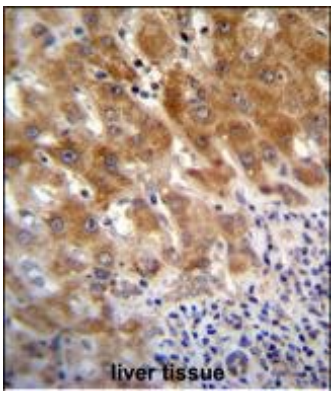
References

Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010)
Liu, J., et al. Hum Brain Mapp 30(1):241-255(2009)
Ferreira, M.A., et al. Nat. Genet. 40(9):1056-1058(2008)
Bliksrud, Y.T., et al. J. Mol. Med. 83(5):406-410(2005)
Dreumont, N., et al. BMC Mol. Biol. 6 (1), 1 (2005) :

Images

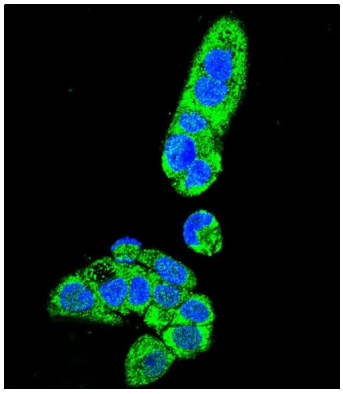


All lanes: Anti-FAH Antibody (N-term) at 1:1000 dilution + Rat liver lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 46 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



FAH Antibody (N-term) (Cat. #AP11966a)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of FAH Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Confocal immunofluorescent analysis of FAH Antibody (N-term)(Cat#AP11966a) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.