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Product datasheet for AP51509PU-N

Fumarylacetoacetate hydrolase (FAH) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	**ELISA:** 1/1000. **Western Blot:** 1/100-1/500. **Immunofluorescence:** 1/10-1/50. **Immunohistochemistry on Paraffin Sections:** 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 14-41 amino acids from the N-terminal region of human FAH
Specificity:	This antibody recognizes Human Fumarylacetoacetase (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	fumarylacetoacetate hydrolase (fumarylacetoacetase)
Database Link:	Entrez Gene 2184 Human P16930
Background:	This gene encodes the last enzyme in the tyrosine catabolism pathway. FAH deficiency is associated with Type 1 hereditary tyrosinemia (HT).
Synonyms:	FAA, FAH, Beta-diketonase

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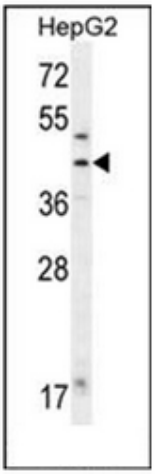
Note:

Molecular Weight: 46374 Da

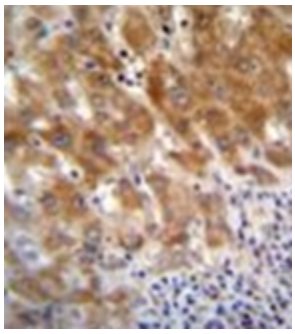
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Tyrosine metabolism

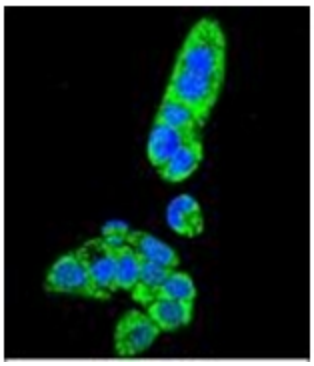
Product images:



Western blot analysis of Fumarylacetoacetase Antibody (N-term) in HepG2 cell line lysates (35ug/lane).This demonstrates the FAH antibody detected the FAH protein (arrow).



Formalin fixed and paraffin embedded human liver tissue reacted with Fumarylacetoacetase Antibody (N-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.



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