

Datasheet: AHP1063

Description:	GOAT ANTI HUMAN FTCD (N-TERMINAL)
Specificity:	FTCD (N-TERMINAL)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/64000
Immunoprecipitation			▪	
Western Blotting	▪			0.03 - 0.5ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to FTCD were raised by repeated immunisations of goat with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃) 0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Peptide with sequence SQLVECVPNFSEGKNQ from the N-terminus of FTCD.

**External Database
Links**

UniProt:

[O95954](#) [Related reagents](#)

Entrez Gene:

[10841](#) FTCD [Related reagents](#)

Specificity

Goat anti Human FTCD antibody detects an epitope within the N-terminal (NT) region of formiminotransferase cyclodeaminase (FTCD). FTCD is a homo-octameric bifunctional enzyme which plays important roles in coupling histidine catabolism with folate metabolism, and integrating the Golgi complex with the vimentin intermediate filament cytoskeleton.

FTCD is present in all mammalian cells either free in the cytosol or tightly bound to the Golgi complex, and is most abundant in the liver. FTCD is linked to two human diseases, autoimmune hepatitis and glutamate formiminotransferase deficiency ([Mao et al. 2004](#)).

Western Blotting

AHP1063 detects a band of approximately 55-60kDa in human liver lysate.

References

1. Mao, Y. *et al.* (2004) Structure of the bifunctional and Golgi-associated formiminotransferase cyclodeaminase octamer. [EMBO J. 23 \(15\): 2963-71.](#)
2. Renous, R. *et al.* (2004) Characterization of the antigenicity of the formiminotransferase-cyclodeaminase in type 2 autoimmune hepatitis. [Exp Cell Res. 292 \(2\): 332-41.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10058 available at:
10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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