ARG64156
anti-CGI58 / ABHD5 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CGI58 / ABHD5
Tested Reactivity	Hu, Ms
Predict Reactivity	Dog, Rat
Tested Application	ICC/IF, IHC-P, WB
Specificity	This antibody is not expected to cross-react with ABHD4.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CGI58 / ABHD5
Species	Human
Immunogen	C-FPERPDLADQDR
Conjugation	Un-conjugated
Alternate Names	Lipid droplet-binding protein CGI-58; CGI58; 1-acylglycerol-3-phosphate O-acyltransferase ABHD5; NCIE2; EC 2.3.1.51; CDS; IECN2; Abhydrolase domain-containing protein 5

Application Instructions

Application table

Application	Dilution
ICC/IF	10 µg/ml
IHC-P	3 - 5 µg/ml
WB	0.2 - 0.6 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

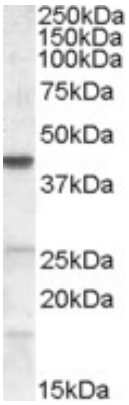
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

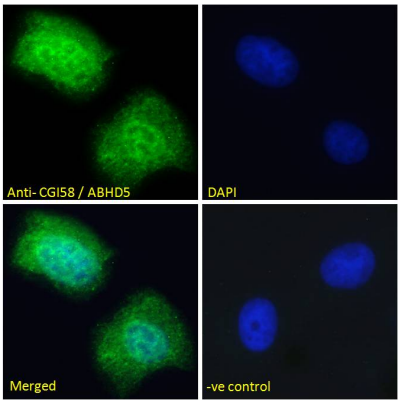
Database links	GeneID: 51099 Human GeneID: 67469 Mouse Swiss-port # Q8WTS1 Human Swiss-port # Q9DBL9 Mouse
Background	The protein encoded by this gene belongs to a large family of proteins defined by an alpha/beta hydrolase fold, and contains three sequence motifs that correspond to a catalytic triad found in the esterase/lipase/thioesterase subfamily. It differs from other members of this subfamily in that its putative catalytic triad contains an asparagine instead of the serine residue. Mutations in this gene have been associated with Chanarin-Dorfman syndrome, a triglyceride storage disease with impaired long-chain fatty acid oxidation. [provided by RefSeq, Jul 2008]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	39 kDa

Images



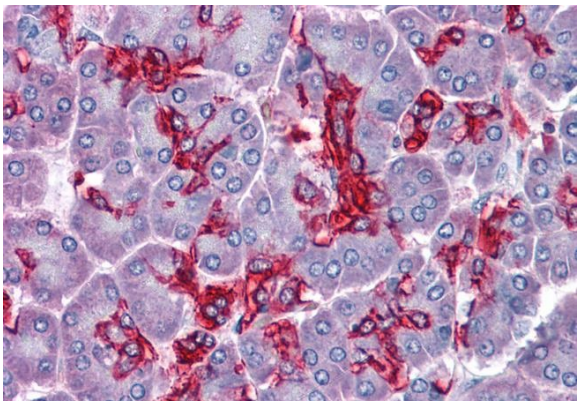
ARG64156 anti-CGI58 / ABHD5 antibody WB image

Western Blot: NIH3T3 lysate (35 µg protein in RIPA buffer) stained with ARG64156 anti-CGI58 / ABHD5 antibody at 0.2 µg/ml dilution.



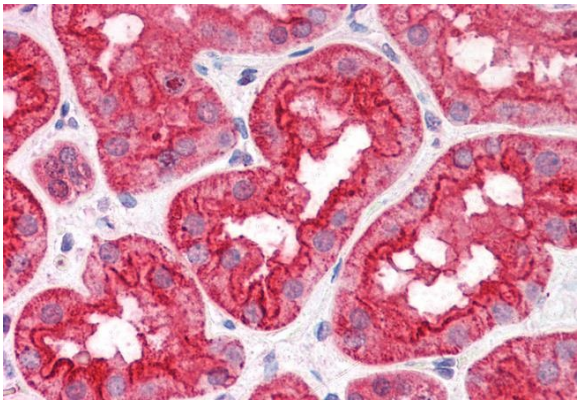
ARG64156 anti-CGI58 / ABHD5 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed U2OS cells permeabilized with 0.15% Triton. Cells were stained with ARG64156 anti-CGI58 / ABHD5 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



ARG64156 anti-CGI58 / ABHD5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human pancreas tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64156 anti-CGI58 / ABHD5 antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG64156 anti-CGI58 / ABHD5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64156 anti-CGI58 / ABHD5 antibody at 3.75 µg/ml dilution followed by AP-staining.