

Catalog Number:	NB110-41576SS
Background:	The CGI58 protein belongs to a large family of proteins characterized 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. Widely expressed in various tissues, including skin, lymphocytes, liver, skeletal muscle and brain.
Alternate Names:	anti-CGI-58 antibody; anti-Abhydrolase domain-containing protein 5 antibody; anti-ABHD5 antibody; anti-CGI 58 antibody
Immunogen:	A synthetic peptide made to an internal region within residues 200-300 of the human protein. [Swiss-Prot# Q8WTS1]
Localization:	Cytoplasm. Colocalized with PLIN and ADRP on the surface of lipid droplets. The localization is dependent upon the metabolic status of the adipocytes and the activity of PKA.
Species Reactivity:	Reacts with human, mouse, rat, monkey, and pig.
Uses:	This antibody can be used for Western blot analysis, where a band is seen at ~43 kDa. * Other applications have not been tested.
Dilutions:	Suggested working dilutions * Western Blot 0.5 ug/ml * Investigator should determine optimal working dilutions.
Packaging:	0.025 ml IgG purified Rabbit antisera.
Concentration:	3.5 mg/ml
Buffer:	PBS
Preservative:	0.02% sodium azide
Storage:	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze thaw cycles.
Novus Specific References:	1. Alsted TJ, Nybo L, Schweiger M, et al. Adipose Triglyceride Lipase in human skeletal muscle is upregulated by exercise training. <i>Am J Physiol Endocrinol Metab</i> 2008;90912.92008.
General References:	1. Yamaguchi, T., et al. <i>JBC</i> . 279(29): 30490
Gene Id:	51099
Reference Sequence:	Q8WTS1
Related Diseases:	Dorfman-Chanarin Syndrome,

Image(s)



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