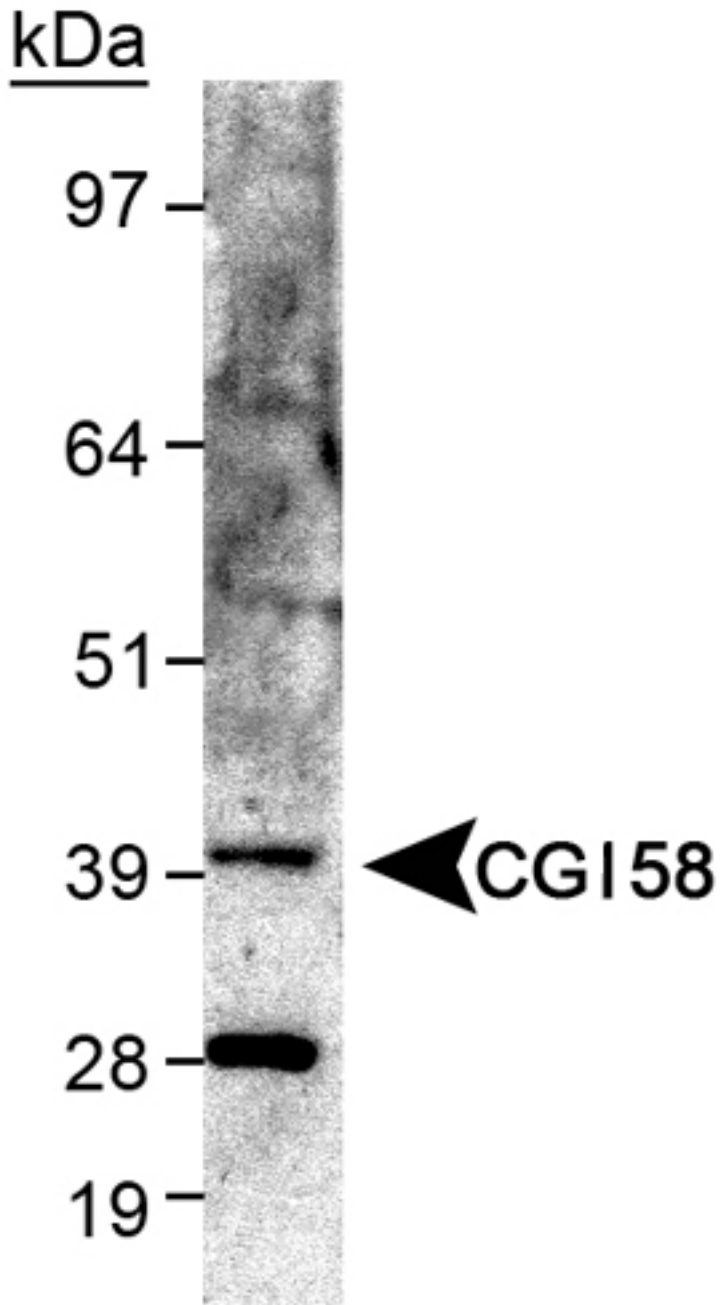


Rabbit Polyclonal anti-CGI58, Sample Size

Catalog Number:	NB110-41576SS
Background:	The CGI-58 protein belongs to a large family of proteins characterized by an α / α hydrolase fold. CGI-58 protein is involved in the lipid metabolism of lamellar granules. Defective lipid production in lamellar granules, caused by a CGI-58 protein deficiency, is involved in the pathogenesis of ichthyosis in Dorfman–Chanarin syndrome. Dorfman–Chanarin syndrome is a rare autosomal recessive inherited lipid storage disease characterized by the presence of intracellular lipid droplets in most tissues.
Alternate Names:	anti-CGI-58 antibody; anti-Abhydrolase domain-containing protein 5 antibody; anti-ABHD5 antibody; anti-CGI 58 antibody
Host:	Rabbit
Research Areas:	Lipid and Cardiovascular Research, Lipid Droplets, Metabolism
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 dependant upon the metabolic status of the adipocytes and the activity of PKA.
Species Reactivity:	This antibody reacts with the human protein. Other species have not been tested.
Homology:	100% with human, mouse, rat, monkey, and pig.
Uses:	This antibody can be used for Western blot analysis, where a band is seen at ~39 kDa. * Other applications have not been tested.
Dilutions:	Suggested working dilutions * Western Blot 2 μ g/ml (ECL) * Investigator should determine optimal working dilutions.
Packaging:	0.025 ml peptide affinity purified Rabbit antisera.
Concentration:	0.93 mg/ml
Buffer:	Tris-glycine, 150mM NaCl
Preservative:	0.05% sodium azide
Storage:	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze thaw cycles.
Limitations:	This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 6 months from date of receipt.
General References:	1. Yamaguchi, T., et al. JBC. 279(29): 30490–30497 (2004) 2. Subramanian, V., et al. JBC. 279(40): 42062–42071 (2004)
Related Diseases:	Dorfman-Chanarin Syndrome,

Image(s)



Detection of CGI58 in human skeletal lysate using NB110-41576SS.