

Human C1D Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF4816

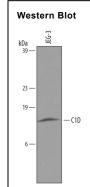
DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human C1D in direct ELISAs and Western blots.	
Source	Polyclonal Goat IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-derived recombinant human C1D Ala2-Ser141 Accession # Q13901	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	2 μg/mL	See Below

DATA



Detection of Human C1D by Western Blot.

Western blot shows lysates of JEG-3 human epithelial choriocarcinoma cell line. PVDF membrane was probed with 2 µg/mL of Goat Anti-Human C1D Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4816) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for C1D at approximately 16 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

C1D (also SUN-CoR) is a 16 kDa member of the C1D family of DNA-binding proteins. It is ubiquitously expressed, activates DNA-dependent protein kinase, and forms part of a large complex that processes rRNA. C1D exists as both a monomer and noncovalent homodimer, and is known to be phosphorylated. Human C1D is 141 amino acids (aa) in length. It contains two protein interaction sites at aa 50-100 and 101-141. There is one potential alternate site at Met54, and a number of single aa polymorphisms. Full-length C1D is 90% and 87% aa identical to mouse and canine C1D, respectively.

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