

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human C1D in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human C1D Ala2-Ser141 Accession # Q13901
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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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