



## RayBiotech, Inc.

3607 Parkway Lane suite 200  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

### Certificate of Analysis and Data Sheet

## Goat Anti-Casein Kinase 1, delta, With HRP-conjugated Secondary Antibody

**Catalog No.**

ER-14-0274

**Target Species**

Human

**Accession Number**

NP\_001884.2; NP\_620693.1

***Target Protein*****Principal Names:** CKIdelta, HCKID, CSNK1D, HGNC:2452, casein kinase 1, delta**Official Symbol:** CSNK1D**Accession Number(s):** NP\_001884.2; NP\_620693.1**Human GeneID(s):** 1453**Non-Human GeneID(s):** 104318 (mouse), 64462 (rat)**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_001884.2 and NP\_620693.1)***Immunogen***

Peptide with sequence C-DREERLRHSRNPATR, from the internal region of the protein sequence according to NP\_001884.2; NP\_620693.1.

***Purification and Storage***

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

***Applications Tested*****Peptide ELISA:** antibody detection limit dilution 1:64000.**Western blot:** Approx 48kDa band observed in lysates of human brain and of cell line HEK 293 (calculated MW of 47.3kDa according to NP\_001884.2). Recommended concentration: 0.3-1µg/ml.***Species Reactivity*****Tested:** Human**Expected from sequence similarity:** Human, Mouse, Rat, Dog***Background Reference***

Xu Y, Padiath QS, Shapiro RE, Jones CR, Wu SC, Saigoh N, Saigoh K, Ptacek LJ, Fu YH.

Functional consequences of a CKIdelta mutation causing familial advanced sleep phase syndrome. Nature. 2005 Mar 31;434(7033):640-4. **PMID:** 15800623

**The products are furnished for LABORATORY RESEARCH USE ONLY.**  
**Not for diagnostic or therapeutic use.**



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### *Secondary Antibody Applications*

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

### *Images*



ER-14-0274 (0.3 $\mu$ g/ml) staining of 293 cell lysate (35 $\mu$ g protein in RIPA buffer).  
Primary incubation was 1 hour. Detected by chemiluminescence.

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