



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Goat Anti Cathepsin K

With HRP-conjugated Secondary Antibody

Catalog No.
ER-14-0279

Target Species
Human

Description

Synonyms: CTSK; cathepsin K; CTS02; CTSO; CTSO1; CTSO2; MGC23107; PKND; PYCD; cathepsin K (pseudosostosis); cathepsin O1; cathepsin O2; cathepsin X

Official Symbol: CTSK

Accession Numbers: NP_000387.1

Preparation

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

Immunogen: Peptide with sequence C-KTHRKQYNNKVDE, from the internal region (near N-terminus) of the protein sequence according to NP_000387.1.

Presentation: Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Reference

Asagiri M, Hirai T, Kunigami T, Kamano S, Gober HJ, Okamoto K, Nishikawa K, Latz E, Golenbock DT, Aoki K, Ohya K, Imai Y, Morishita Y, Miyazono K, Kato S, Saftig P, Takayanagi H
Cathepsin K-dependent toll-like receptor 9 signaling revealed in experimental arthritis
Science. 2008 Feb 1;319(5863):624-7
PMID: 18239127

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



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Peptide ELISA (1)	.			
Western Blot (2)	.			1-3µg/ml
Immunohistochemistry			.	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

(1) Antibody detection limit dilution 1:16,000

(2) Approx 36kDa band observed in Human Lung and Human Ovary lysates (calculated MW of 37.0kDa according to NP_000387.1).

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	.			1:5000-1:10000

Image



ER-14-0279 (1µg/ml) staining of Human Lung lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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