

Goat anti-Cathepsin K Antibody

Item Number	dAP-1425
Target Molecule	Principle Name: Cathepsin K; Official Symbol: CTSK; All Names and Symbols: CTSK; cathepsin K; CTSO2; CTSO; CTSO1; CTSO2; MGC23107; PKND; PYCD; cathepsin K (pseudosostosis); cathepsin O1; cathepsin O2; cathepsin X; Accession Number (s): NP_000387.1; Human Gene ID(s): 1513; Non-Human GeneID (s):
Immunogen	KTHRKQYNNKVDE, is from internal region (near N Terminus)
Applications	Pep ELISA, EIA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	Western Blot: Approx 36kDa band observed in Human Lung and Human Ovary lysates (calculated MW of 37.0kDa according to NP_000387.1). Recommended concentration: 1-3µg/ml.
IHC	

Reference	Reference(s): Asagiri M, Hirai T, Kunigami T, Kamano S, Gober HJ, Okamoto K, Nishikawa K, Latz E, Goelenbock 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
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Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**