

Goat anti-CPN10 / HSPE1 Antibody

Item Number	dAP-3282
Target Molecule	Principle Name: CPN10 / HSPE1; Official Symbol: HSPE1; All Names and Symbols: HSPE1; heat shock 10kDa protein 1; CPN10; EPF; GROES; HSP10; 10 kDa chaperonin; 10 kDa heat shock protein, mitochondrial; chaperonin 10; early-pregnancy factor; heat shock 10kD protein 1 (chaperonin 10); Accession Number (s): NP_002148.1; Human Gene ID(s): 3336; 100529241; Non-Human GeneID(s): 15528 (mouse) 25462 (rat)
Immunogen	PEKSQGKVLQAT, is from internal region
Applications	Pep ELISA, 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 128000.
Western Blot	Western Blot: Approx 10kDa band observed in lysates of cell line HepG2 (calculated MW of 10.9kDa according to NP_002148.1). Recommended concentration: 0.01-0.03µg/ml.
IHC	
Reference	Reference(s): Aguilar X, F Weise C, Sparrman T, Wolf-Watz M, Wittung-Stafshede P. Macromolecular crowding extended to a heptameric system: the Co-chaperonin protein 10. Biochemistry 2011 Apr 50 (14): 3034-44..PMID: 21375247->

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**