

## Goat anti-CPN10 / HSPE1 (aa74-86) Antibody

<b>Item Number</b>	dAP-3281
<b>Target Molecule</b>	Principle Name: CPN10 / HSPE1 (aa74-86); 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; Non-Human GenelD(s): 15528 (mouse)
<b>Immunogen</b>	PEYGGTKVVLDDK, is from internal region
<b>Applications</b>	Pep ELISA, WB Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	Western Blot: Approx 10kDa band observed in lysates of cell lines HeLa and HepG2 (calculated MW of 10.9kDa according to NP_002148.1). Recommended concentration: 0.1-0.3µg/ml.
<b>IHC</b>	
<b>Reference</b>	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. <i>Biochemistry</i> 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 end users! This product is sold for **Research Use Only**