

## Goat anti-HSPA13 / STCH (aa83-95) Antibody

Item Number	dAP-2814
Target Molecule	Principle Name: HSPA13 / STCH (aa83-95); Official Symbol: HSPA13; All Names and Symbols: HSPA13; heat shock protein 70kDa family, member 13; STCH; heat shock 70 kDa protein 13; microsomal stress 70 protein ATPase core; microsomal stress-70 protein ATPase core; stress 70 protein chaperone, microsome-associated, 60kD; stress 70 protein chaperon; Accession Number (s): NP_008879.3; Human Gene ID(s): 6782; Non-Human GenelD(s):
Immunogen	ESVELADSNPQNT, 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 65kDa band observed in Human Uterus lysates (calculated MW of 51.9kDa according to NP_008879.3). The protein is commonly known as a 60 or 70kDa heat shock protein (see nomenclature). Recommended concentration: 0.1-0.3µg/ml.
IHC	
Reference	Reference(s): Jinwal UK, Miyata Y, Koren J 3rd, Jones JR, Trotter JH, Chang L, O'Leary J, Morgan D, Lee DC, Shults CL, Rousaki A, Weeber EJ, Zuiderweg ER, Gestwicki JE, Dickey CA. Chemical manipulation of hsp70 ATPase activity regulates tau stability. <i>J Neurosci</i> . 2009 Sep 30;29(39):12079-88.. PMID: 19793966

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**