

## Goat anti-HSPA5 / GRP78 Antibody

<b>Item Number</b>	dAP-3327
<b>Target Molecule</b>	Principle Name: HSPA5 / GRP78; Official Symbol: HSPA5; All Names and Symbols: HSPA5; heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa); BIP; GRP78; HEL-S-89n; MIF2; 78 kDa glucose-regulated protein; endoplasmic reticulum lumenal Ca(2+)-binding protein grp78; epididymis secretory sperm binding protein Li 89n; immunoglobulin; Accession Number (s): NP_005338.1; Human Gene ID(s): 3309; Non-Human GeneID(s):
<b>Immunogen</b>	ESHQDADIEDFK, is from internal region (near C Terminus)
<b>Applications</b>	Pep ELISA, IF, WB Species Tested: Human, Mouse, Rat
<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 16000.
<b>Western Blot</b>	Western Blot: Approx 75kDa band observed in lysates of cell lines HepG2 and MCF7 and in Mouse Liver lysates, and approx. 80kDa band in Mouse Testis and Rat Brain lysates (calculated MW of 72.3kDa according to Human NP_005338.1, Mouse NP_071705.3 and Rat
<b>IHC</b>	
<b>Reference</b>	Reference(s): Reid SP, Shurtleff AC, Costantino JA, Tritsch SR, Retterer C, Spurgers KB, Bavari S. HSPA5 is an essential host factor for Ebola virus infection. Antiviral research 2014 Sep 109 : 171-4..PMID: 25017472->

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**