

Goat anti-ATG4A Antibody

Item Number	dAP-3225
Target Molecule	Principle Name: ATG4A; Official Symbol: ATG4A; All Names and Symbols: ATG4A; ATG4 autophagy related 4 homolog A (S. cerevisiae); APG4A; AUTL2; APG4 autophagy 4 homolog A; AUT-like 2, cysteine endopeptidase; OTTHUMP00000062893; autophagin 2; autophagy-related cysteine endopeptidase 2; Accession Number (s): NP_443168.2; NP_840054.1; Human Gene ID(s): 115201; Non-Human GeneID(s):
Immunogen	TEENGTVNDQTFHC, is from internal region This antibody is expected to recognize both reported isoforms (NP_443168.2; NP_840054.1)
Applications	Pep ELISA, IHC 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 1000.
Western Blot	
IHC	Immunohistochemistry: In paraffin embedded Human Liver shows textured cytoplasm staining in the hepatocytes. Recommended concentration, 2-4µg/ml.

Reference	Reference(s): Scherz-Shouval R, Sagiv Y, Shorer H, Elazar Z The COOH terminus of GATE-16, an intra-Golgi transport modulator, is cleaved by the human cysteine protease HsApg4A J Biol Chem. 2003 Apr 18;278(16):14053-8. Epub 2002 Dec 7.PMID: 12473658->
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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**