

Goat anti-ATG4D Antibody

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| Item Number | dAP-1740 |
| Target Molecule | Principle Name: ATG4D; Official Symbol: ATG4D; All Names and Symbols: ATG4D; ATG4 autophagy related 4 homolog D (S. cerevisiae); APG4-D; APG4D; AUTL4; APG4 autophagy 4 homolog D; AUT-like 4, cysteine endopeptidase; autophagin-4; autophagy-related cysteine endopeptidase 4; cysteine protease involved in autophagy; Accession Number (s): NP_116274.3; Human Gene ID(s): 84971; Non-Human GeneID(s): 235040 (mouse) 686505 (rat) |
| Immunogen | CSQLAQPTLRRLPRT, is from internal region (near C terminus) |
| 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 32000. |
| Western Blot | Western Blot: Preliminary experiments gave an approx. 26kDa band in Human Skeletal Muscle lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size |
| IHC | Immunohistochemistry: Paraffin embedded Human Pancreas. Recommended concentration: 2.5µg/ml. |
| Reference | Reference(s): Mariño G, Uría JA, Puente XS, Quesada V, Bordallo J, López-Otín C. Human autophagins, a family of cysteine proteinases potentially implicated in cell degradation by autophagy. The Journal of biological chemistry 2003 Feb 278 (6): 3671-8..PMID: 12446702-> |

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**