Goat anti-PPP1R15A / GADD34 Antibody

Item Number	dAP-0019
Target Molecule	Principle Name: PPP1R15A / GADD34; Official Symbol: PPP1R15A; All Names and Symbols: PPP1R15A; GADD34; protein phosphatase 1, regulatory (inhibitor) subunit 15A; growth arrest and DNA-damage-inducible 34; protein phosphatase 1, regulatory subunit 15A; Accession Number (s): NP_055145.3; Human Gene ID(s): 23645; Non-Human GeneID(s):
Immunogen	AAALDLSGRRG, is from C Terminus
Applications	Pep ELISA, WB, IHC, IF, FC 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; Reconsititute 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 75kDa band observed in lysates of cell line HepG2 (calculated MW of 73.4kDa according to NP_055145.2). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature. Negative Control: KLY (Kel
IHC	Immunohistochemistry: In paraffin embedded Human Liver shows cytoplasmic staining consistent with ER in the hepatocytes. Recommended concentration: 2-4µg/ml.
Reference	Reference(s): Kojima E, Takeuchi A, Haneda M, Yagi A, Hasegawa T, Yamaki K, Takeda K, Akira S, Shimokata K, Isobe K. The function of GADD34 is a recovery from a shutoff of protein synthesis induced by ER stress: elucidation by GADD34-deficient mice. FASEB J. 2003 Aug;17(11):1573-5..PMID: 12824288->

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