

Goat anti-calreticulin Antibody

Item Number	dAP-3078
Target Molecule	Principle Name: calreticulin; Official Symbol: CALR; All Names and Symbols: CALR; calreticulin; CRT; RO; SSA; cC1qR; CRP55; ERp60; HACBP; Sicca syndrome antigen A (autoantigen Ro; calreticulin); calregulin; endoplasmic reticulum resident protein 60; grp60; Accession Number (s): NP_004334.1; Human Gene ID (s): 811; Non-Human GeneID(s): 12317 (mouse) 64202 (rat)
Immunogen	HPEIDNPEYSPDPS, 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 60kDa band observed in Human and Rat Lung lysates (calculated MW of 48.1kDa according to NP_004334.1). These bands correspond to earlier findings in literature with different antibodies (Conway et al, J Biol Chem. 1995 Jul 14;270(28)
IHC	
Reference	Reference(s): Jeffery E, Peters LR, Raghavan M. The polypeptide binding conformation of calreticulin facilitates its cell-surface expression under conditions of endoplasmic reticulum stress. The Journal of biological chemistry 2011 Jan 286 (4): 2402-15..PMID: 21075854->

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**