

## Goat anti-SAR1 Antibody

Item Number	dAP-1595
Target Molecule	Principle Name: SAR1; Official Symbol: SAR1A; All Names and Symbols: SAR1A; SAR1 gene homolog A (S. cerevisiae); SAR1; SARA1; Sara; masra2; OTTHUMP0000060603; SAR1a gene homolog 1; Accession Number (s): NP_064535.1; Human Gene ID(s): 56681; Non-Human GenelD(s): 20224 (mouse) 361842 (rat)
Immunogen	HSRLVESKVELNA, is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Mouse, 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: Approx. 23 kDa band observed in lysates of NIH3T3 (calculated MW of 22.4 kDa according to Human NP_064535.1 and to Mouse NP_033146.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.
IHC	Immunohistochemistry: Paraffin embedded Human Skin and Small Intestine. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Bi X, Mancias JD, Goldberg J. Insights into COPII coat nucleation from the structure of Sec23.Sar1 complexed with the active fragment of Sec31. <i>Dev Cell.</i> 2007 Nov;13(5):635-45.. PMID: 17981133->

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**