



## Goat anti-CES1 Antibody

<b>Item Number</b>	dAP-1380
<b>Target Molecule</b>	Principle Name: CES1; Official Symbol: CES1; All Names and Symbols: CES1; carboxylesterase 1 (monocyte/macrophage serine esterase 1); ACAT; CEH; CES2; HMSE; HMSE1; MGC117365; PCE-1; SES1; TGH; acyl coenzyme A:cholesterol acyltransferase; carboxylesterase 1; carboxylesterase 2 (liver); cholesteryl ester hydrolase; egasyn; ; Accession Number (s): NP_001020366.1; NP_001020365.1; NP_001257.4; Human Gene ID(s): 1066; Non-Human GeneID(s):
<b>Immunogen</b>	NTQAAQKLKDKKE, is from internal region (near C terminus) This antibody is expected to recognise all three reported isoforms (NP_001020366.1; NP_001020365.1; NP_001257.4).
<b>Applications</b>	Pep ELISA, WB, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 8000.
<b>Western Blot</b>	Western Blot: Approx 55-60kDa band observed in Human Liver and Ileum lysates (calculated MW of 62.6kDa according to NP_001020366.1). In transfected HEK293 transiently expressing CES1 a band of approx. 65kDa is observed. This band is not observed in the n
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Lung shows staining of lymphocytes in the vasculature.. Recommended concentration, 2-3µg/ml.
<b>Reference</b>	Reference(s): Steinberg GR, Kemp BE, Watt MJ. Adipocyte triglyceride lipase expression in human obesity. Am J Physiol Endocrinol Metab. 2007 Oct;293(4):E958-64. Epub 2007 Jul 3..PMID: 17609260 ->

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**