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Research Use Only. Not for diagnostic or therapeutic use.

EB08405 - Goat Anti-CES1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 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, liver carboxylesterase, triacylglycerol hydrolase,

monocyte/macrophage serine-esterase 1

Official Symbol: CES1

Accession Number(s): NP_001020366.1; NP_001020365.1; NP_001257.4

Human GeneID(s): 1066

Important Comments: This antibody is expected to recognise all three reported isoforms

(NP_001020366.1; NP_001020365.1; NP_001257.4).

Immunogen

Peptide with sequence C-NTQAAQKLKDKE, from the internal region (near C terminus) of the protein sequence according to NP_001020366.1; NP_001020365.1; NP_001257.4.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

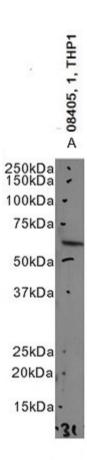
Western blot: Approx. 60kDa band observed in lysates of cell line THP-1, approx. 55kDa in Human Duodenum lysates, and approx. 55-60kDa in Human Liver lysates (calculated MW of 62.6kDa according to NP_001020366.1). These molecular weights are observed by other commercial sources. Recommended concentration: 0.5-1ug/ml. Primary incubation 1 hour at room temperature.

IHC: In paraffin embedded Human Lung shows staining of lymphocytes in the vasculature.. Recommended concentration, 2-3µg/ml.

Species Reactivity

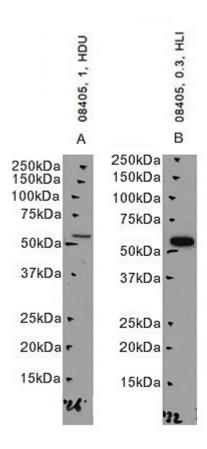
Tested: Human

Expected from sequence similarity: Human



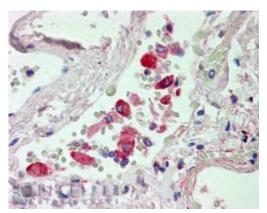
 ${\tt EB08405\ optimised\ QC.\ Primary\ incubation\ 1\ hour\ at\ room\ temperature}.$

Image A: THP-1 cell lysate at primary Ab concentration $1\mu g/ml$. (Loaded $35\mu g$ protein in RIPA buffer, per lane). Detected by chemiluminescence.



EB08405 optimised QC. Primary incubation 1 hour at room temperature.

Image A: Human Duodenum lysate at primary Ab concentration 1µg/ml. Image B: Human Liver lysate at primary Ab concentration 0.5ug/ml (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



EB08405 (2.5μg/ml) staining of paraffin embedded Human Lung. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.