OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AP08791PU-N

Liver Carboxylesterase 1 (CES1) (533-544) Goat Polyclonal Antibody

Product data:

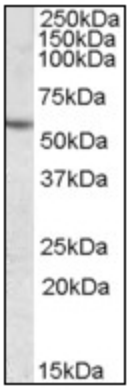
Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	**ELISA:** 1/8000. **Immunohistochemistry on Paraffin Sections:** 2.5 µg/ml. **Western Blot:** 0.03 - 0.1 µg/ml.
Reactivity:	Human
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from an internal region of Human CES1
Specificity:	Recognizes internal region of Carboxylesterase 1 (CES1).
Formulation:	Tris saline buffer, pH 7.3 containing 0.5% BSA as stabilizer and 0.02% Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	carboxylesterase 1
Database Link:	Entrez Gene 1066 Human P23141

View online »

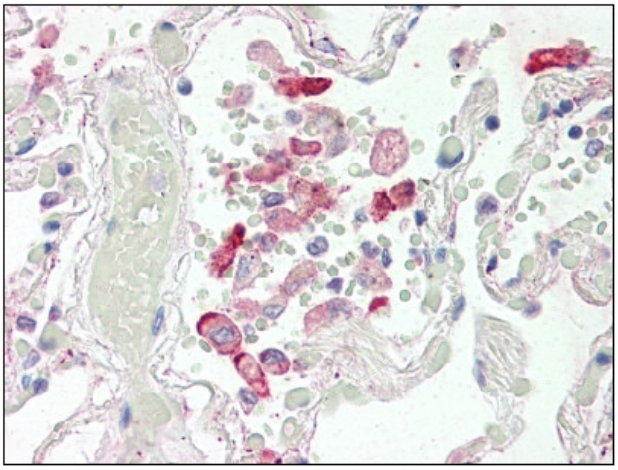
Background: The enzymes of the carboxylesterase family are widely distributed and can be found in the tissues of all animals. They differ in biochemical, immunological and genetic properties and play different roles depending on which part of the organism they are expressed in. In general, these carboxylesterases are responsible for detoxification, since they are able to degrade a number of exogenous compounds such as esters, amides and thioesters. Esterases cause esters to split into an acid and an alcohol within the human body, especially the ones found in nucleic acids (phosphodiester bonds) and lipids. Some types of esterase are found in lysozomes and are called acid hydrolase. Other types of esterase include:
- Cholesterol esterase - Also referred to as cholesterol ester hydrolase and sterol esterase, cholesterol esterase is a form of esterase that occurs in the pancreas, the intestinal mucosa, the liver, and the kidney. It even occurs in the muscle.
- Leukocyte esterase - Leukocyte esterase is used to determine whether or not white blood cells and irregularities that could cause infections are in the body.
- Cholinesterase - Cholinesterase consists of acetylcholinesterase, which is found in the blood, and pseudocholinesterase, which is found in the blood plasma of the liver.

Synonyms: CES2, SES1, Liver carboxylesterase 1, HMSE, Egasyn, hBr1

Product images:



Antibody (at 0.03 ug/ml) staining of Human Liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by Chemiluminescence.



Lung: Formalin-Fixed Paraffin-Embedded (FFPE)