Mouse Carboxylesterase 1/CES1 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG

Catalog Number: AF7929

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Carboxylesterase 1/CES1 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant mouse CES3 and recombinant human CES1 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Carboxylesterase 1/CES1 His19-Leu565 Accession # Q8VCC2
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

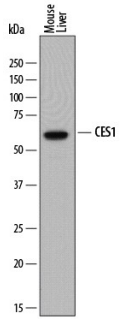
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA

Western Blot



Detection of Mouse Carboxylesterase 1/CES1 by Western Blot. Western blot shows lysates of mouse liver. PVDF membrane was probed with 1 µg/mL of Sheep Anti-Mouse Carboxylesterase 1/CES1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF7929) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for Carboxylesterase 1/CES1 at approximately 60 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Carboxylesterase 1/CES1 (also known as Ses-1 and Liver carboxylesterase 1) is a 60-63 kDa glycoprotein, member of a type-B carboxylesterase/lipase family localized to microsomal membrane and lumen of endoplasmic reticulum. CES1 exists as a homotrimer and homohexamer and is involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. CES1 is expressed mostly in liver, and with lower levels found in the lung. Over amino acids (aa) 19-565, mouse CES1 shares 75% aa identity with human CES1.

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