

Anti-CES3/Carboxylesterase 3 Antibody (9D803)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9D803
Purification:	Protein A

Applications

Verified Activity:	<ol style="list-style-type: none">1. Immunochemical staining of human CES3 in human liver with rabbit monoclonal antibody (1:1000, formalin-fixed paraffin embedded sections).2. Immunochemical staining of human CES3 in human colon with rabbit monoclonal antibody (1:1000, formalin-fixed paraffin embedded sections).
Application:	IHC-P
Recommended	IHC-P: 1:500-1:2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human CES3 / Carboxylesterase 3 Protein
Antigen Species:	Human
Synonyms:	CES 3;Carboxylesterase 3;ES31;Carboxylesterase3;CES3;UNQ869/PRO1887;FLJ21736
Biology Area:	Serine Proteases and Regulators

Research Background

Carboxylesterases hydrolyze esters of short-chain fatty acids and have roles in animals ranging from signal transduction to xenobiotic detoxification. In enzymology, a carboxylesterase is an enzyme that catalyzes the chemical reaction: a carboxylic ester + H₂O = an alcohol + a carboxylate. Most enzymes from this group belong to the superfamily of hydrolases with alpha/beta protein fold (so called Alpha/beta hydrolase fold), specifically those acting on carboxylic ester bonds. The carboxylesterase family of evolutionarily related proteins (those with clear sequence homology to each other) includes a number of proteins with different substrate specificities, such as acetylcholinesterases. Carboxylesterase 3, also known as Liver carboxylesterase 31 homolog and CES3, is a endoplasmic reticulum lumen which belongs to the type-B carboxylesterase/lipase family. CES3 is involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. CES3 shows low catalytic efficiency for hydrolysis of CPT-11, a prodrug for camptothecin used in cancer therapeutics. CES3 is expressed in liver, colon and small intestine.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481