

CES7-Specific Polyclonal antibody

Catalog Number: 19520-1-AP

Basic Information

Catalog Number:

19520-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_145024

GeneID (NCBI):

221223

UNIPROT ID:

Q6NT32

Full Name:

carboxylesterase 7

Calculated MW:

64 kDa

Observed MW:

58-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HepG2 cells,

IF/ICC : HepG2 cells,

Background Information

CES7, also named as CAUXIN, CES4C1, CES5 and FLJ31547, belongs to the type-B carboxylesterase/lipase family. CES7 is involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. CES7 catalyze the reaction: A carboxylic ester + H₂O = an alcohol + a carboxylate. The antibody can recognize the isoform1 and isoform2.

Storage

Storage:

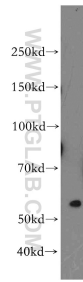
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

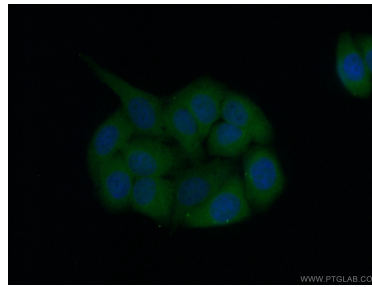
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 19520-1-AP (CES7-Specific antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 19520-1-AP (CES7-Specific antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).