

ESD Monoclonal antibody

Catalog Number: 67069-3-Ig

Basic Information

Catalog Number:

67069-3-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 663 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG7487

GenBank Accession Number:

BC001169

GeneID (NCBI):

2098

UNIPROT ID:

P10768

Full Name:

esterase D/formylglutathione hydrolase

Calculated MW:

31 kDa

Observed MW:

31 kDa

Purification Method:

Protein G purification

CloneNo.:

3G1B5

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat, pig

Positive Controls:

WB : HCT 116 cells, Caco-2 cells, HepG2 cells, Jurkat cells, K-562 cells, Ramos cells, pig brain tissue, rat brain tissue, mouse brain tissue

IF/ICC : HepG2 cells,

Background Information

Esterase D (ESD) is a non-specific esterase widely distributed in various organisms and is also named S-Formylglutathione Hydrolase (SFGH). ESD is a member of the carboxylesterase family and has both carboxylesterase and thioesterase activities. ESD plays an important role in the process of glutathione-dependent detoxification, regulating cholesterol efflux and virus infection in humans, and is closely related to the development of tumors. ESD as a Genetic Marker for Retinoblastoma (PMID: 32247735, PMID: 34875997, PMID: 35627173). The calculated molecular weight of ESD is 31 kDa.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

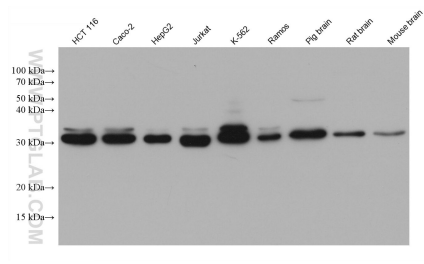
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

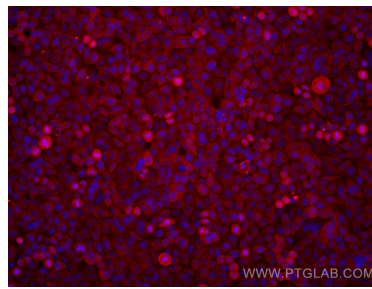
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67069-3-Ig (ESD antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ESD antibody (67069-3-Ig, Clone: 3G1B5) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).