

For Research Use Only

ESD Monoclonal antibody

Catalog Number: 67069-2-Ig



Basic Information

Catalog Number: 67069-2-Ig	GenBank Accession Number: BC001169	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop and 625 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2098	CloneNo.: 2F5E1
Source: Mouse	UNIPROT ID: P10768	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: esterase D/formylglutathione hydrolase	
Immunogen Catalog Number: AG7487	Calculated MW: 31 kDa	
	Observed MW: 30-34 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HCT 116 cells, Caco-2 cells, HepG2 cells, Jurkat cells, K-562 cells, Ramos cells IF/ICC : HEK-293 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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

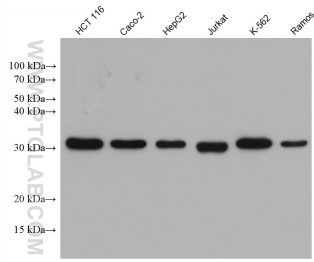
For technical support and original validation data for this product please contact:

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

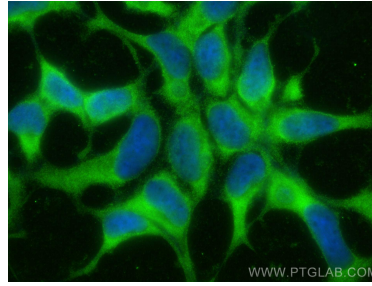
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67069-2-Ig (ESD antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using ESD antibody (67069-2-Ig, Clone: 2F5E1) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).