

For Research Use Only

# ESD Monoclonal antibody, PBS Only

Catalog Number: 67069-2-PBS



## Basic Information

<b>Catalog Number:</b> 67069-2-PBS	<b>GenBank Accession Number:</b> BC001169	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 2098	<b>CloneNo.:</b> 2F5E1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P10768	
<b>Isotype:</b> IgG1	<b>Full Name:</b> esterase D/formylglutathione hydrolase	
<b>Immunogen Catalog Number:</b> AG7487	<b>Calculated MW:</b> 31 kDa	
	<b>Observed MW:</b> 30-34 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, ELISA

**Species Specificity:**  
human

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

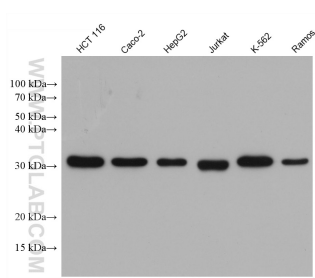
T: 4006900926

E: Proteintech-CN@ptglab.com

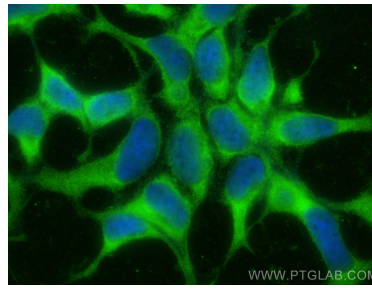
W: ptgcn.com

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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. This data was developed using the same antibody clone with 67069-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67069-2-PBS in a different storage buffer formulation.