For Research Use Only

ESD Monoclonal antibody

Catalog Number:67069-3-Ig

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Basic Information

Catalog Number:
67069-3-Ig

Size:
1000 ug/ml

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

Applications

Tested Applications:
WB, 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

Background Information

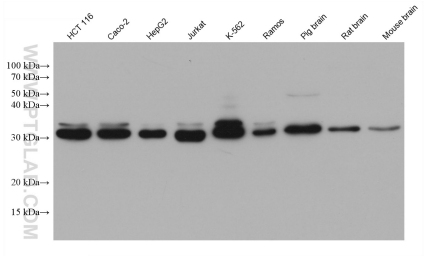
Esterase D (ESD) is a non-specific esterase widely distributed in various organisms and is also named S-Formylglutathione Hydrolase (SFGH). ESD is a member of the carboxylesterase family and has both carboxylesterase and thioesterase activities. ESD plays an important role in the process of glutathione-dependent 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

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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.