For Research Use Only

ESD Polyclonal antibody

Catalog Number:15244-1-AP Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
15244-1-AP

Size:
150ul , Concentration: 220 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG7457

GenBank Accession Number:
BC001169

GeneID (NCBI):
2098

UNIPROT ID:
P10768

Full Name:
esterase D/formylglutathione hydrolase

Calculated MW:
31 kDa

Observed MW:
30-34 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2400

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : K-562 cells, HAP1 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.

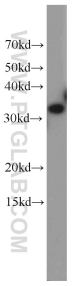
Storage

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

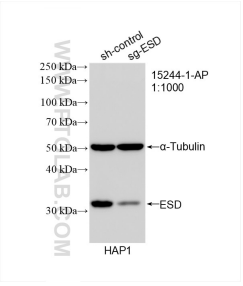
***** 20ul sizes contain 0.1% BSA**

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

Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 15244-1-AP (ESD antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



WB result of ESD antibody (15244-1-AP; 1:1000; room temperature for 1.5 hours) with wild-type and ESD knockout HAP1 cells.