



Rabbit Anti-ESD antibody

SL14633R

Product Name:	ESD
Chinese Name:	ESD蛋白抗体
Alias:	EC 3.1.2.12; Es-10; Es10; ESD; ESTD_HUMAN; Esterase 10; Esterase D; Esterase D formylglutathione hydrolase; FGH; FGH, included; FLJ11763; Methylumbelliferyl acetate deacetylase; MGC139609; OTTHUMP00000018374; OTTHUMP00000040929; S formylglutathione hydrolase; S-formylglutathione hydrolase; S-formylglutathione hydrolase, included; Sid 478; sid478.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	31kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ESD:7-110/282
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a serine hydrolase that belongs to the esterase D family. The encoded enzyme is active toward numerous substrates including O-acetylated sialic acids, and it may be involved in the recycling of sialic acids. This gene is used as a genetic marker

for retinoblastoma and Wilson's disease. [provided by RefSeq, Feb 2009]

Function:

Serine hydrolase involved in the detoxification of formaldehyde.

Subcellular Location:

Cytoplasm. Cytoplasmic vesicle.

Similarity:

Belongs to the esterase D family.

SWISS:

P10768

Gene ID:

2098

Database links:

[Entrez Gene: 2098](#) Human

[Entrez Gene: 13885](#) Mouse

[Entrez Gene: 290401](#) Rat

[Omim: 133280](#) Human

[SwissProt: P10768](#) Human

[SwissProt: Q9R0P3](#) Mouse

[SwissProt: B0BNE5](#) Rat

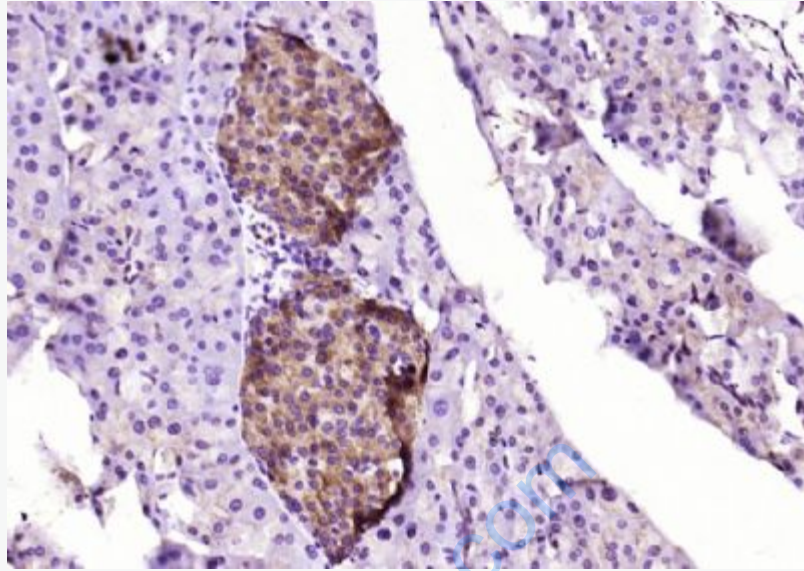
[Unigene: 432491](#) Human

[Unigene: 38055](#) Mouse

[Unigene: 3682](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ESD) Polyclonal Antibody, Unconjugated (SL14633R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.