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ESD Rabbit pAb

Catalog # AP97681

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P10768
Other Accession	P10768
Reactivity	Mouse
Predicted	Rat, Pig, Human, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31463
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ESD
Epitope Specificity	7-110/282
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the esterase D family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	2098
Other Names	FGH; Es-10; Es10; sid478; ESTD_HUMAN; ESD; Esterase D; Methylumbelliferyl-acetate deacetylase; 3.1.2.12; ESTD_MOUSE; Esterase 10; Sid 478; ESTD_RAT; esterase D/formylglutathione hydrolase; S-formylglutathione hydrolase
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	ESD

Function	Serine hydrolase involved in the detoxification of formaldehyde.
Cellular Location	Cytoplasm. Cytoplasmic vesicle.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.