

Rabbit ESD Polyclonal Antibody | anti-ESD antibody

ESD Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329165	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Horse(100%), Rabbit(88%), Dog(88%)	ELISA

PRODUCT SYNONYMS

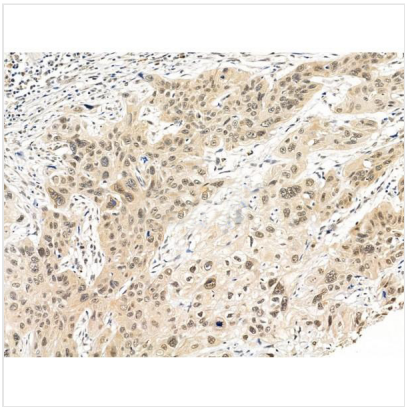
ESD; Polyclonal Antibody; ESD Antibody; EC 3.1.2.12; Es-10; Es10; ESTD_HUMAN; Esterase 10; Esterase D; Esterase D formylglutathione hydrolase; FGH; included; FLJ11763; Methylumbelliferyl acetate deacetylase; MGC139609; OTTHUMP00000018374; OTTHUMP00000040929; S formylglutathione hydrolase; S-formylglutathione hydrolase; Sid 478; sid478; anti-ESD antibody

PRODUCT SPECIFICATIONS

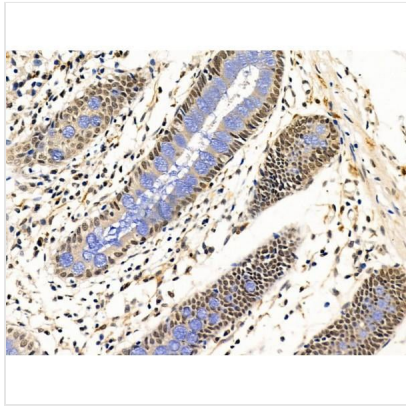
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Horse(100%), Rabbit(88%), Dog(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	ESD Antibody detects endogenous levels of total ESD.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	282
Applicable Applications for anti-ESD antibody	ELISA
Immunogen	A synthesized peptide derived from human ESD, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



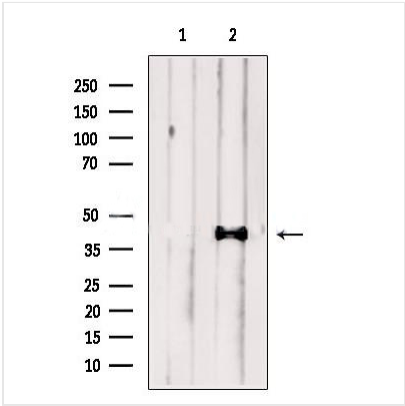
IHC (Immunohistochemistry)
AAA329165 at 1/100 staining Human esophageal cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



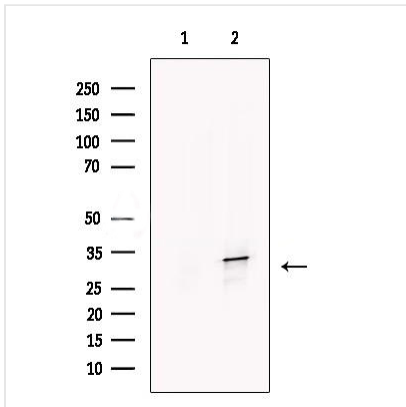
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WB (Western Blot)
Western blot analysis of extracts from Mouse heart, using ESD Antibody. The lane on the left was treated with blocking peptide. Observed bands: 40 kDa.



WB (Western Blot)
Western blot analysis of extracts from Raji, using ESD Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ESD antibody	Function: Serine hydrolase involved in the detoxification of formaldehyde.
	Subcellular Location: Cytoplasm. Cytoplasmic vesicle.
	Subunit Structure: Homodimer.
	Similarity: Belongs to the esterase D family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33413400
NCBI GeneID	2098
NCBI Accession #	NP_001975.1
NCBI GenBank Nucleotide #	NP_001975.1
UniProt Accession #	P10768
Molecular Weight	Observed Molecular Weight: (Observed)31kD, 40kD. Predicted Molecular Weight: (Calculated)31kDa.
NCBI Official Full Name	S-formylglutathione hydrolase
NCBI Official Synonym Full Names	esterase D
NCBI Official Symbol	ESD
NCBI Official Synonym Symbols	FGH
NCBI Protein Information	S-formylglutathione hydrolase
UniProt Protein Name	S-formylglutathione hydrolase
UniProt Gene Name	ESD
UniProt Synonym Gene Names	FGH
UniProt Entry Name	ESTD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/esd-antibody-elisa/329165>