

Rabbit ECD Polyclonal Antibody | anti-ECD antibody

ECD Antibody

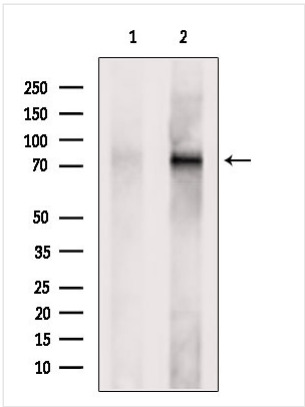
CATALOG # AAA328837	HOST Rabbit	REACTIVITY Human, Mouse Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog	APPLICATIONS Western Blot
-------------------------------	-----------------------	--	-------------------------------------

PRODUCT SYNONYMS

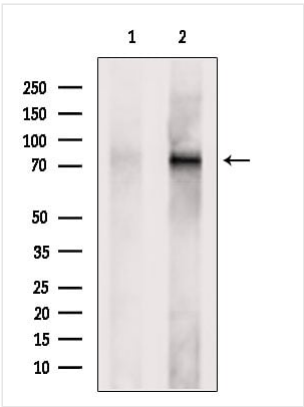
ECD; Polyclonal Antibody; ECD Antibody; ecd; ECD_HUMAN; Ecdysoneless homolog; hSGT1; Human suppressor of GCR two; Protein ecdysoneless homolog; SGT 1; SGT1 protein; Suppressor of GCR2; anti-ECD antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	ECD Antibody detects endogenous levels of ECD.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	644
Applicable Applications for anti-ECD antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human ECD.
Tissue Specificity	Highly expressed in muscle and heart. Over-expressed in pancreatic and breast cancers.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from MCF7, using ECD Antibody. The lane on the left was treated with blocking peptide.



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

ADDITIONAL INFORMATION

Related Product Information for anti-ECD antibody	Description: Regulator of p53/TP53 stability and function. Inhibits MDM2-mediated degradation of p53/TP53 possibly by cooperating in part with TXNIP (PubMed:16849563, PubMed:23880345). May be involved transcriptional regulation. In vitro has intrinsic transactivation activity enhanced by EP300. May be a transcriptional activator required for the expression of glycolytic genes (PubMed:19919181, PubMed:9928932). Involved in regulation of cell cycle progression. Proposed to disrupt Rb-E2F binding leading to transcriptional activation of E2F proteins (PubMed:19640839). The cell cycle -regulating function may depend on its RUVBL1-mediated association with the R2TP complex (PubMed:26711270). May play a role in regulation of pre-mRNA splicing (PubMed:24722212).
	Post Translational Modifications: Phosphorylated predominantly by CK2 on two serine-containing clusters; involved in cell cycle regulation activity.
	Subunit Structure: Interacts with TP53, MDM2, TXNIP (PubMed:16849563, PubMed:23880345). Interacts (phosphorylated) with PIH1D1. Interacts with RUVBL1 mediating the PIH1D1-independent association with the R2TP complex (PubMed:24656813, PubMed:26711270). Interacts with RB1, RBL1 and RBL2; ECD competes with E2F1 for binding to hypophosphorylated RB1 (PubMed:19640839). Interacts with EP300 (PubMed:19919181).
	Similarity: Belongs to the ECD family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17368102
NCBI GeneID	11319
UniProt Accession #	O95905
Molecular Weight	Observed: 73 kDa Predicted: 73 kDa
NCBI Official Full Name	Protein ecdysoneless homolog
NCBI Official Synonym Full Names	ecdysoneless cell cycle regulator
NCBI Official Symbol	ECD
NCBI Official Synonym Symbols	GCR2; SGT1; HSGT1
NCBI Protein Information	protein ecdysoneless homolog
UniProt Protein Name	Protein SGT1
UniProt Gene Name	ECD

UniProt Synonym Gene Names	SGT1; hSGT1
UniProt Entry Name	SGT1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/ecd-antibody-western-blot-elisa/328837>