

## Rabbit ECD Polyclonal Antibody | anti-ECD antibody

ECD Antibody

|                               |                       |                                                                                        |                                     |
|-------------------------------|-----------------------|----------------------------------------------------------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA328837</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b><br>Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------------------------------------------------------|-------------------------------------|

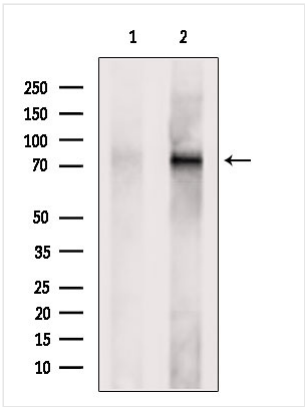
### PRODUCT SYNONYMS

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

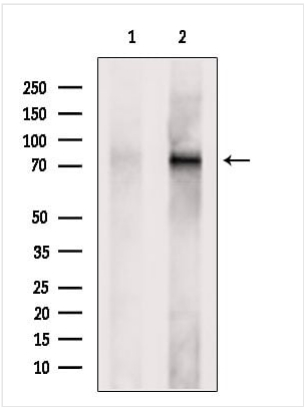
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                          |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                   |
| Reactivity                                    | Human, Mouse<br>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.                                                        |

IMAGES



**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<br>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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ecd-antibody-western-blot-elisa/328837>