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# ECD antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10449

## Product Information

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| **Application** | WB |
| **Primary Accession** | O95905 |
| **Other Accession** | NM_007265, NP_009196 |
| **Reactivity** | Human, Mouse, Rat, Pig, Dog, Bovine |
| **Predicted** | Human, Mouse, Pig, Dog, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 72758 |

## Additional Information

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| **Gene ID** | 11319 |
| **Alias Symbol** | GCR2, HSGT1 |
| **Other Names** | Protein SGT1, hSGT1, Protein ecdysoneless homolog, Suppressor of GCR2, ECD, SGT1 |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 50 ul of distilled water. Final anti-ECD antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | ECD antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

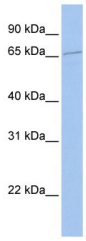
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| **Name** | ECD |
| **Function** | Regulator of p53/TP53 stability and function. Inhibits MDM2- mediated degradation of p53/TP53 possibly by cooperating in part with TXNIP (PubMed:16849563, PubMed:23880345). May be involved transcriptional regulation. 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 |

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| | splicing (PubMed:24722212). Participates together with DDX39A in mRNA nuclear export (PubMed:33941617). |
| **Cellular Location** | Cytoplasm. Nucleus Note=Predominantly is located in the cytoplasm |
| **Tissue Location** | Highly expressed in muscle and heart. Over- expressed in pancreatic and breast cancers |

## References

Olsen,J.V., (2006) Cell 127 (3), 635-648 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

## Images




WB Suggested Anti-ECD Antibody Titration: .2-1 ug/ml
ELISA Titer: 1:3125
Positive Control: Jurkat cell lysate

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