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ECD antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10449

Product Information

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

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

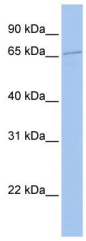
Name	ECD
Function	Regulator of p53/TP53 stability and function. Inhibits MDM2- mediated degradation of p53/TP53 possibly by cooperating in part with TXNIP (PubMed:16849563, PubMed:23880345). May be involved transcriptional regulation. In vitro has intrinsic transactivation activity enhanced by EP300. 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

	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'.