

ARG63330
anti-ECT2 antibodyPackage: 100 µg
Store at: -20°C**Summary**

Product Description	Goat Polyclonal antibody recognizes ECT2
Tested Reactivity	Hu
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ECT2
Species	Human
Immunogen	AENSVLTSTTGRT-C
Conjugation	Un-conjugated
Alternate Names	Protein ECT2; Epithelial cell-transforming sequence 2 oncogene; ARHGEF31

Application Instructions

Application table	Application	Dilution
	WB	2.5 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Database links

[GeneID: 1894 Human](#)

[Swiss-port # Q9H8V3 Human](#)

Background

The protein encoded by this gene is a guanine nucleotide exchange factor and transforming protein that is related to Rho-specific exchange factors and yeast cell cycle regulators. The expression of this gene is elevated with the onset of DNA synthesis and remains elevated during G2 and M phases. In situ hybridization analysis showed that expression is at a high level in cells undergoing mitosis in regenerating liver. Thus, this protein is expressed in a cell cycle-dependent manner during liver regeneration, and is thought to have an important role in the regulation of cytokinesis. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Research Area

Cell Biology and Cellular Response antibody

Calculated Mw

104 kDa

PTM

Phosphorylated by PLK1 in vitro. Hyperphosphorylated during the G2 phase of the cell cycle. Phosphorylation at Thr-373 occurs during the G2/M phase, relieves its auto-inhibition status and stimulates its GEF activity. Phosphorylation at Thr-444 in G2/M phase is required for subsequent binding with PLK1 and Rho exchange activation. Dephosphorylated at the time of cytokinesis. Phosphorylation at Thr-359 is required for its transformation activity in cancer cells.