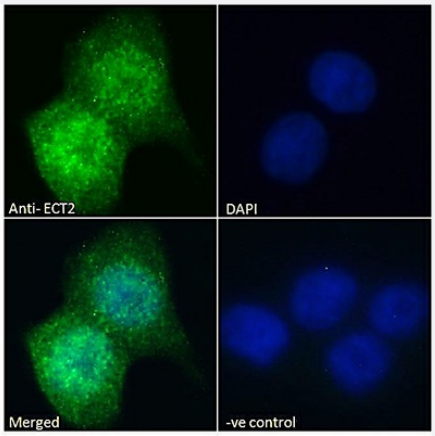
ECT2 polyclonal antibody

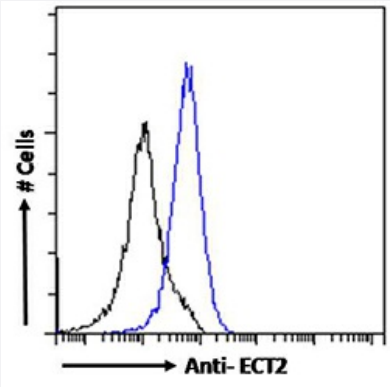
Catalog # PAB6416 Size 100 ug

Applications



Immunofluorescence

ECT2 polyclonal antibody (Cat # PAB6416) Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing strong nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Flow Cytometry

ECT2 polyclonal antibody (Cat # PAB6416) Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ECT2.
Immunogen	A synthetic peptide corresponding to human ECT2.
Sequence	AENSVLTSTTGRT-C
Host	Goat
Theoretical MW (kDa)	100

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:32000) Flow Cytometry (10 ug/mL) Immunofluorescence (10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  ECT2 polyclonal antibody (Cat # PAB6416) Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing strong nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).

- Flow Cytometry

  ECT2 polyclonal antibody (Cat # PAB6416) Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ECT2

Entrez GeneID	1894
Protein Accession#	NP_060568
Gene Name	ECT2

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Alias	FLJ10461, MGC138291
Gene Description	epithelial cell transforming sequence 2 oncogene
Omim ID	600586
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a 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. [provided by RefSeq
Other Designations	epithelial cell transforming sequence 2 oncogene protein

Publication Reference

- Human ECT2 is an exchange factor for Rho GTPases, phosphorylated in G2/M phases, and involved in cytokinesis.

  Tatsumoto T, Xie X, Blumenthal R, Okamoto I, Miki T.

  The Journal of Cell Biology 1999 Nov; 147(5):921.

  Application: Func, IF, WB-Ce, Human, HeLa cells

Disease

- Genetic Predisposition to Disease
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Puberty
- Thrombophilia
- Tobacco Use Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.