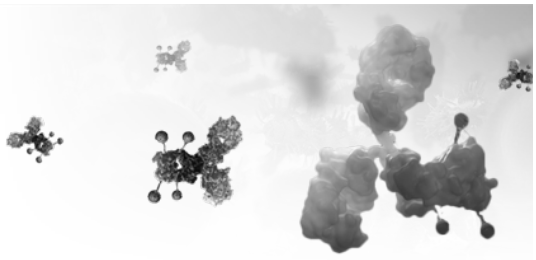

Human ECT2 blocking peptide (CDBP1093)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ECT2 antibody
Antigen Description	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.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ECT2 epithelial cell transforming sequence 2 oncogene [Homo sapiens]
Official Symbol	ECT2

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Synonyms	ECT2; epithelial cell transforming sequence 2 oncogene; protein ECT2; ARHGEF31; epithelial cell-transforming sequence 2 oncogene; FLJ10461; MGC138291;
Entrez Gene ID	1894
mRNA Refseq	NM_001258315
Protein Refseq	NP_001245244
UniProt ID	Q9H8V3
Chromosome Location	3q26.1-q26.2
Pathway	Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; NRAGE signals death through JNK, organism-specific biosystem; PLK1 signaling events, organism-specific biosystem; Regulation of RhoA activity, organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem;
Function	GTPase activator activity; Rho GTPase binding; Rho guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity; protein binding; protein homodimerization activity; signal transducer activity;

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