

Product datasheet for **TA807408**

ECT2 Mouse Monoclonal Antibody [Clone ID: OTI2D9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D9
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 175-438 of human ECT2(NP_060568) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	99.9 kDa
Gene Name:	epithelial cell transforming 2
Database Link:	NP_060568 Entrez Gene 1894 Human Q9H8V3



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Background:

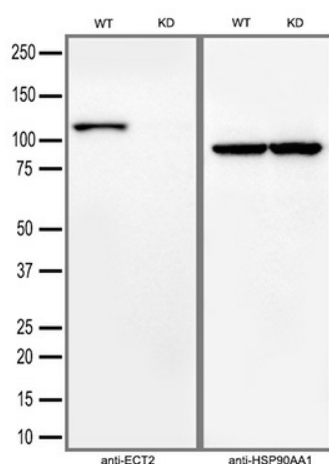
The protein encoded by this gene is a guanine nucleotide exchange factor and transforming protein that is related to Rho-specific exchange factors and yeast cell cycle regulators. The expression of this gene is elevated with the onset of DNA synthesis and remains elevated during G2 and M phases. In situ 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]

Synonyms:

ARHGEF31

Protein Families:

Druggable Genome

Product images:


Equivalent amounts of cell lysates (30 ug per lane) of wild-type HeLa cells (WT) and ECT2-Knockdown HeLa cells (KD) were separated by SDS-PAGE and immunoblotted with anti-ECT2 monoclonal antibody TA807408 (1:5000). Then the blotted membrane was stripped and reprobed with anti-HSP90AA1 antibody as a loading control.

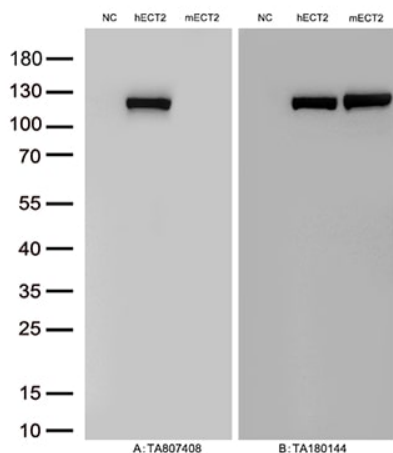
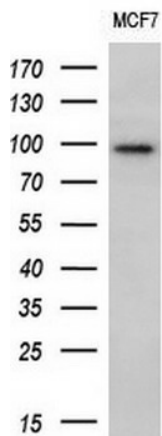
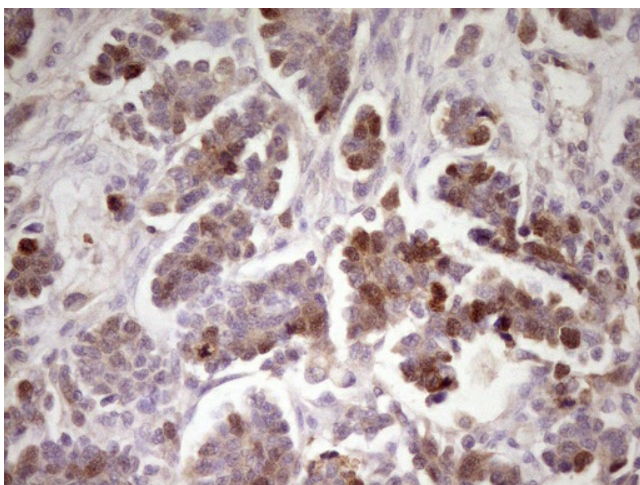


Figure A, Western blot analysis of overexpressed lysates(25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human ECT2 plasmid ([RC211319], hECT2), mouse ECT2 plasmid ([MR224170], mECT2) using anti-ECT2 antibody TA807408 (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



Western blot analysis of extracts (10ug) from 1 cell line by using anti-ECT2 monoclonal antibody (1:200).



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-ECT2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.