ECT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ECT2, Polyclonal Antibody
Full Product Name	ECT2, ID (ECT2, Protein ECT2, Epithelial cell-transforming sequence 2 oncogene) (MaxLight 650)
Product Gene Name	anti-ECT2 antibody
Product Synonym Names	ECT2; Protein ECT2; Epithelial cell-transforming sequence 2 oncogene
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	100,051 Da
OMIM	600586
3D Structure	ModBase 3D Structure for Q9H8V3
Immunogen	ECT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 565-594 amino acids from the Central region of human ECT2.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-ECT2 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-ECT2 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-ECT2 antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-ECT2 antibody	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.
Product References and Citations for anti-ECT2 antibody	Justilien, V., et al. Oncogene 28(41):3597-3607(2009). Burkard, M.E., et al. PLoS Biol. 7 (5), E1000111 (2009): Wolfe, B.A., et al. PLoS Biol. 7 (5), E1000110 (2009): Hirata, D., et al. Clin. Cancer Res. 15(1):256-266(2009). Seguin, L., et al. Mol. Cell. Biol. 29(2):570-581(2009).

Other Notes	Small volumes of anti-ECT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ECT2 purchase	MBS6294299 is an antibody targeting ECT2. Also known as ECT2, ID (ECT2, Protein ECT2, Epithelial cell-transforming sequence 2 oncogene) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ECT2. It may not necessarily be applicable to this product.

NCBI GI #	21735572
NCBI GeneID	1894
NCBI Accession #	NP_060568.3
UniProt Primary Accession #	Q9H8V3
UniProt Secondary Accession #	Q0MT80; Q2M269; Q6U836; Q9NSV8; Q9NVW9
UniProt Related Accession #	Q9H8V3
GenBank Nucleotide #	NM_018098.5
NCBI Official Full Name	protein ECT2 isoform b
NCBI Official Synonym Full Names	epithelial cell transforming 2
NCBI Official Symbol	ECT2
NCBI Official Synonym Symbols	ARHGEF31
UniProt Protein Name	Protein ECT2
UniProt Synonym Protein Names	Epithelial cell-transforming sequence 2 oncogene
Protein Family	Protein
UniProt Gene Name	ECT2
UniProt Entry Name	ECT2_HUMAN
NCBI Protein Information	protein ECT2
NCBI Summary for ECT2	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 Articles on ECT2	**1.** Colorectal cancer patients with high expression levels of ECT2 had shorter overall survival.
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