EVC1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EVC1, Polyclonal Antibody
Full Product Name	EVC1 Polyclonal Antibody
Product Gene Name	anti-EVC1 antibody
Product Synonym Gene Name	EVC
Product Synonym Names	Ellis-van Creveld syndrome protein; DWF-1; EVC
Clonality	Polyclonal
Host	Rabbit
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	111,990 Da
OMIM	193530
3D Structure	ModBase 3D Structure for P57679
Applications Tested/Suitable for anti-EVC1 antibody	Immunohistochemistry-Paraffin (IHC-P), Immunohistochemistry-Frozen (IHC-F), Immunofluorescence (IF), Immunocytochemistry (ICC)
Related Product Information for anti-EVC1 antibody	MBS9234017 is an antibody targeting EVC1. Also known as EVC1 Polyclonal Antibody. Host: Rabbit.
Other Notes	Small volumes of anti-EVC1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EVC1. It may not necessarily be applicable to this product.

NCBI GI #	807045860
NCBI GeneID	2121
NCBI Accession #	NP_001293019.1
UniProt Primary Accession #	P57679
UniProt Related Accession #	P57679
GenBank Nucleotide #	NM_001306090.1
NCBI Official Full Name	ellis-van Creveld syndrome protein isoform 2
NCBI Official Synonym Full Names	Ellis van Creveld protein
NCBI Official Symbol	EVC
NCBI Official Synonym Symbols	EVC1; EVCL; DWF-1
UniProt Protein Name	Ellis-van Creveld syndrome protein

UniProt Synonym Protein Names	DWF-1
UniProt Gene Name	EVC
UniProt Entry Name	EVC_HUMAN
NCBI Protein Information	ellis-van Creveld syndrome protein
NCBI Summary for EVC1	This gene encodes a protein containing a leucine zipper and a transmembrane domain. This gene has been implicated in both Ellis-van Creveld syndrome (EvC) and Weyers acrodental dysostosis. [provided by RefSeq, Jul 2008]
UniProt Comments for EVC1	EVC: Acts as a positive mediator of Hedgehog signaling indispensable for normal endochondral growth and skeletal development. Defects in EVC are a cause of Ellis-van Creveld syndrome (EVC); also known as chondroectodermal dysplasia. EVC is an autosomal recessive disorder characterized by the clinical tetrad of chondrodystrophy, polydactyly, ectodermal dysplasia and cardiac anomalies. Patients manifest short-limb dwarfism, short ribs, postaxial polydactyly and dysplastic nails and teeth. Congenital heart defects, most commonly an atrioventricular septal defect, are observed in 60% of affected individuals. Defects in EVC are a cause of acrofacial dysostosis Weyers type (WAD); also known as Curry-Hall syndrome. Acrofacial dysostoses are a heterogeneous group of disorders combining limb defects with facial abnormalities. WAD is an autosomal dominant disorder characterized by dysplastic nails, postaxial polydactyly, acrofacial dysostosis, short limbs and short stature. The phenotype is milder than Ellis-van Creveld syndrome. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 4p16 Cellular Component: cytoplasm; integral to membrane; cilium Biological Process: smoothened signaling pathway; muscle development; cartilage development; positive regulation of smoothened signaling pathway; skeletal development Disease: Weyers Acrofacial Dysostosis; Ellis-van Creveld Syndrome
Research Articles on EVC1	**1.** The epigenetically deregulated EVC appears to play an important role for hedgehog activation.
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