DIRC2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DIRC2, Polyclonal Antibody
Full Product Name	DIRC2, ID (DIRC2, Disrupted in renal carcinoma protein 2, Disrupted in renal cancer protein 2) (MaxLight 650)
Product Gene Name	anti-DIRC2 antibody
Product Synonym Names	DIRC2; Disrupted in renal carcinoma protein 2; Disrupted in renal cancer protein 2
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	52,088 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (122513901..122599986). Location: 3q21.1
OMIM	602773
3D Structure	ModBase 3D Structure for Q96SL1
Immunogen	DIRC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 202-229 amino acids from the Central region of human DIRC2.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-DIRC2 antibody	Antibodies; Cancer Markers
Applications Tested/Suitable for anti-DIRC2 antibody	Western Blot (WB), FLISA
Application Notes for anti-DIRC2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-DIRC2 antibody	This gene encodes a membrane-bound protein from the major facilitator superfamily of transporters. Disruption of this gene by translocation has been associated with haplo-insufficiency and renal cell carcinomas. Alternatively spliced transcript variants have been described, but their biological validity has not yet been determined.
Product References and Citations for anti-DIRC2 antibody	Bodmer, D., et al. Cancer Genet. Cytogenet. 136(2):95-100(2002). Bodmer, D., et al. Hum. Mol. Genet. 11(6):641-649(2002).
Other Notes	Small volumes of anti-DIRC2 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 DIRC2 purchase	MBS6292220 is an antibody targeting DIRC2. Also known as DIRC2, ID (DIRC2, Disrupted in renal carcinoma protein 2, Disrupted in renal cancer protein 2) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DIRC2. It may not necessarily be applicable to this product.

NCBI GI #	14249552
NCBI GeneID	84925
NCBI Accession #	NP_116228.1
UniProt Primary Accession #	Q96SL1
UniProt Secondary Accession #	Q8NBX9; A8K561
UniProt Related Accession #	Q96SL1
GenBank Nucleotide #	NM_032839.2
NCBI Official Full Name	disrupted in renal carcinoma protein 2
NCBI Official Synonym Full Names	disrupted in renal carcinoma 2
NCBI Official Symbol	DIRC2
NCBI Official Synonym Symbols	RCC4
UniProt Protein Name	Disrupted in renal carcinoma protein 2
UniProt Synonym Protein Names	Disrupted in renal cancer protein 2
Protein Family	Disrupted in renal carcinoma protein
UniProt Gene Name	DIRC2
UniProt Entry Name	DIRC2_HUMAN
NCBI Protein Information	disrupted in renal carcinoma protein 2; renal cell carcinoma 4; disrupted in renal cancer protein 2
UniProt Comments for DIRC2	DIRC2: Electrogenic metabolite transporter. A chromosomal aberration involving DIRC2 has been found in a family with renal carcinoma. Translocation t(2;3)(q35;q21). Belongs to the major facilitator superfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 3q21.1 Cellular Component: lysosomal membrane; integral to membrane Biological Process: transport Disease: Renal Cell Carcinoma, Nonpapillary
Research Articles on DIRC2	**1.** Data strongly support the idea that DIRC2 is an electrogenic lysosomal metabolite transporter which is subjected to and presumably modulated by limited proteolytic processing.
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