HERC3 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	HERC3, Monoclonal Antibody
Full Product Name	HERC3 (Probable E3 Ubiquitin-protein Ligase HERC3, HECT Domain and RCC1-like Domain-containing Protein 3, KIAA0032) (MaxLight 490)
Product Gene Name	anti-HERC3 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2C1
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human HERC3.
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 amo immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of produc the original vial prior to removing the cap.
OMIM	D25215 mRNA
3D Structure	ModBase 3D Structure for Q15034
Immunogen	Partial recombinant corresponding to aa1-110 from human HERC3 (NP_055421) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MLCWGYWSLGQPGISTNLQGIVAEPQVCGFISDRSVKEVACGGNHSVFLLEDGEVYTCGLNTKGQLGHEREGNKPEQIGALADQHIIHVACGESHSLALS
Conjugate	MaxLight490
Product Categories/Family for anti-HERC3 antibody	Antibodies; Ubiquitin Ligases
Applications Tested/Suitable for anti-HERC3 antibody	FLISA, Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-HERC3 antibody	IHC-P: 3ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-HERC3 antibody	MBS6201189 is an antibody targeting HERC3. Also known as HERC3 (Probable E3 Ubiquitin-protein Ligase HERC3, HECT Domain and RCC1-like Do containing Protein 3, KIAA0032) (MaxLight 490). Reactive in Human. Host: Mouse.

Other Notes	Small volumes of anti-HERC3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces 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 may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HERC3. It may not necessarily be applicable to this product.

NCBI GI #	7657152
NCBI GeneID	8916
NCBI Accession #	NP_055421
UniProt Primary Accession #	Q15034
UniProt Related Accession #	Q15034
GenBank Nucleotide #	NM_014606
NCBI Official Full Name	probable E3 ubiquitin-protein ligase HERC3 isoform 1
NCBI Official Synonym Full Names	HECT and RLD domain containing E3 ubiquitin protein ligase 3
NCBI Official Symbol	HERC3
UniProt Protein Name	Probable E3 ubiquitin-protein ligase HERC3
UniProt Synonym Protein Names	HECT domain and RCC1-like domain-containing protein 3; HECT-type E3 ubiquitin transferase HERC3
Protein Family	Probable E3 ubiquitin-protein ligase
UniProt Gene Name	HERC3
UniProt Synonym Gene Names	KIAA0032
NCBI Protein Information	probable E3 ubiquitin-protein ligase HERC3
NCBI Summary for HERC3	This gene encodes a member the HERC ubiquitin ligase family. The encoded protein is located in the cytosol and binds ubiquitin via a HECT domain. Mutations in this gene have been associated with colorectal and gastric carcinomas. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2012]
UniProt Comments for HERC3	HERC3: E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Protein type: EC 6.3.2.-; EC 6.3.2.19; Ligase; Ubiquitin conjugating system; Ubiquitin ligase Chromosomal Location of Human Ortholog: 4q22.1 Cellular Component: cytoplasm; cytoplasmic vesicle; cytosol Biological Process: protein ubiquitination
Research Articles on HERC3	**1.** The data illuminate a novel axis regulating cell senescence: DeltaNp63alpha stimulates transcription of E3 ligase HERC3, which mediates ubiquitination of c-Myc modulator MM1 and targets it to proteasomal degradation; subsequently, c-Myc is derepressed by DeltaNp63alpha, thereby cell senescence is modulated by this axis.
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