DEF Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DEF, Polyclonal Antibody
Full Product Name	DEF, NT (DIEXF, C1orf107, DEF, Digestive organ expansion factor homolog) (MaxLight 405)
Product Gene Name	anti-DEF antibody
Product Synonym Names	DIEXF; C1orf107; DEF; Digestive organ expansion factor homolog
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Hamster, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	87,055 Da
3D Structure	ModBase 3D Structure for Q68CQ4
Immunogen	DEF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-38 amino acids from the N-terminal region of human DEF.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-DEF antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-DEF antibody	Immunofluorescence (IF), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-DEF antibody	IF: 1:10-50 FLISA: 1:1,000 IHC: 1:10-50 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-DEF antibody	Regulates the p53 pathway to control the expansion growth of digestive organs (By similarity).
Product References and Citations for anti-DEF antibody	Birnbaum, S., et al. Nat. Genet. 41(4):473-477(2009). Chen, J., et al. Genes Dev. 19(23):2900-2911(2005).
Other Notes	Small volumes of anti-DEF 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 DEF purchase	MBS6291590 is an antibody targeting DEF. Also known as DEF, NT (DIEXF, C1orf107, DEF, Digestive organ expansion factor homolog) (MaxLight 405). Reactive in Hamster, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	75677335
NCBI GeneID	27042
NCBI Accession #	NP_055203.4
UniProt Primary Accession #	Q68CQ4
UniProt Secondary Accession #	O75992; Q4VY00; Q63HL9
UniProt Related Accession #	Q68CQ4
GenBank Nucleotide #	NM_014388.6
NCBI Official Full Name	digestive organ expansion factor homolog
NCBI Official Synonym Full Names	digestive organ expansion factor homolog (zebrafish)
NCBI Official Symbol	DIEXF
NCBI Official Synonym Symbols	DEF; UTP25; C1orf107; DJ434O14.5
UniProt Protein Name	Digestive organ expansion factor homolog
Protein Family	Peptide deformylase
UniProt Gene Name	DIEXF
UniProt Synonym Gene Names	C1orf107; DEF
UniProt Entry Name	DIEXF_HUMAN
NCBI Protein Information	digestive organ expansion factor homolog
UniProt Comments for DEF	DEF: Regulates the p53 pathway to control the expansion growth of digestive organs. Belongs to the def family. Protein type: Nucleolus Chromosomal Location of Human Ortholog: 1q32.2 Cellular Component: small subunit processome; nucleolus Molecular Function: rRNA binding Biological Process: maturation of SSU-rRNA from tricistronic rRNA transcript (SSU-rRNA, 5.8S rRNA, LSU-rRNA); multicellular organismal development
Research Articles on DEF	**1.** Colonic tissue from patients with Hirschsprung's disease showed lower expression levels of digestive-organ expansion factor (DIEXF).
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-hamster-mouse-antibody/def/6291590