CTAG2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CTAG2, Polyclonal Antibody
Full Product Name	CTAG2 Polyclonal Antibody
Product Gene Name	anti-CTAG2 antibody
Product Synonym Names	Cancer/testis antigen 2; CT2; Autoimmunogenic cancer/testis antigen NY-ESO-2; Cancer/testis antigen 6.2; CT6.2; L antigen family member 1; LAGE-1; CTAG2; ESO2; LAGE1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	23
OMIM	300396
3D Structure	ModBase 3D Structure for O75638
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CTAG2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CTAG2 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-CTAG2 antibody	MBS8529879 is an antibody targeting CTAG2. Also known as CTAG2 Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CTAG2 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 CTAG2. It may not necessarily be applicable to this product.

NCBI GI #	543583752
NCBI GeneID	30848
NCBI Accession #	NP_066274.2
UniProt Primary Accession #	O75638
UniProt Secondary Accession #	O75637; Q0VIL6; Q14CD6; Q2Z1N4; Q9BU80; Q9UJ89; Q9Y479
UniProt Related Accession #	O75638
GenBank Nucleotide #	NM_020994.4

NCBI Official Full Name	cancer/testis antigen 2 isoform LAGE-1b
NCBI Official Synonym Full Names	cancer/testis antigen 2
NCBI Official Symbol	CTAG2
NCBI Official Synonym Symbols	CT2; ESO2; CAMEL; CT6.2; CT6.2a; CT6.2b; LAGE-1; LAGE2B
UniProt Protein Name	Cancer/testis antigen 2
UniProt Synonym Protein Names	Autoimmunogenic cancer/testis antigen NY-ESO-2; Cancer/testis antigen 6.2; CT6.2; L antigen family member 1; LAGE-1
Protein Family	Cancer/testis antigen
UniProt Gene Name	CTAG2
UniProt Synonym Gene Names	ESO2; LAGE1; CT2; CT6.2; LAGE-1
NCBI Protein Information	cancer/testis antigen 2
NCBI Summary for CTAG2	This gene encodes an autoimmunogenic tumor antigen that belongs to the ESO/LAGE family of cancer-testis antigens. This protein is expressed in a wide array of cancers including melanoma, breast cancer, bladder cancer and prostate cancer. This protein is also expressed in normal testis tissue. An alternative open reading frame product of this gene has been described in PMID:10399963. This alternate protein, termed CAMEL, is a tumor antigen that is recognized by melanoma-specific cytotoxic T-lymphocytes. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]
Research Articles on CTAG2	**1.** The tumor suppressor function of LSAMP is most likely exerted by reducing the proliferation rate of the tumor cells, possibly by indirectly upregulating one or more of the genes HES1, CTAG2 or KLF10.
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