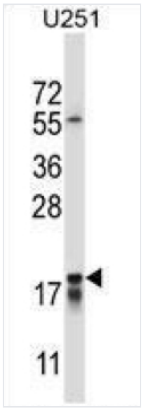
CTAG2 Antibody – Rabbit Polyclonal

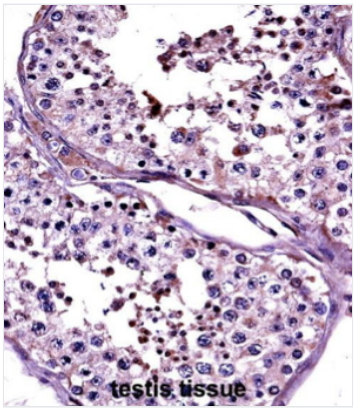
PRODUCT OVERVIEW

Product Name	CTAG2, Polyclonal Antibody
Full Product Name	CTAG2, ID (CTAG2, ESO2, LAGE1, Cancer/testis antigen 2, Autoimmunogenic cancer/testis antigen NY-ESO-2, Cancer/testis antigen 6.2, L antigen family member 1) (Azide free) (HRP)
Product Gene Name	anti-CTAG2 antibody
Product Synonym Names	CTAG2; ESO2; LAGE1; Cancer/testis antigen 2; Autoimmunogenic cancer/testis antigen NY-ESO-2; Cancer/testis antigen 6.2; L antigen family member 1
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 Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human CTAG2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	21,061 Da
Chromosome Location	Chromosome: X; NC_000023.10 (153880246..153881853, complement). Location: Xq28
OMIM	300396
3D Structure	ModBase 3D Structure for O75638
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 122-149 in the central region of human CTAG2.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-CTAG2 antibody	Antibodies; Cancer Markers
Applications Tested/Suitable for anti-CTAG2 antibody	Immunohistochemistry (IHC) Paraffin, ELISA (EIA), Western Blot (WB)
Application Notes for anti-CTAG2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CTAG2 antibody	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].

Product References and Citations for anti-CTAG2 antibody	1. Wang, X.Y., et al. Oncol. Rep. 21(3):713-719(2009). 2. Shao, Y., et al. J. Cancer Res. Clin. Oncol. 134(4):495-502(2008). 3. Andrade, V.C., et al. Cancer Immun. 8, 2 (2008). 4. Kan, T., et al. Oncology 70(1):25-33(2006). 5. Scanlan, M.J., et al. Immunol. Rev. 188, 22-32 (2002).
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.
Searchable Terms for CTAG2 purchase	MBS6289631 is an antibody targeting CTAG2. Also known as CTAG2, ID (CTAG2, ESO2, LAGE1, Cancer/testis antigen 2, Autoimmunogenic cancer/testis antigen NY-ESO-2, Cancer/testis antigen 6.2, L antigen family member 1) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CTAG2 antibody
Western Blot analysis in U251 cell line lysates (35ug/lane) usingMBS6002009. This demonstrates that MBS6002009 detected the CTAG2 protein (arrow).



Immunohistochemistry (IHC) of anti-CTAG2 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue using MBS6002009 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS6002009 for immunohistochemistry.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CTAG2. It may not necessarily be applicable to this product.

NCBI GI #	50233789
NCBI GeneID	30848
NCBI Accession #	NP_758965.1
NCBI Related Accession #	NP_066274.1
UniProt Primary Accession #	O75638
UniProt Secondary Accession #	O75637; Q0VIL6; Q14CD6; Q2Z1N4; Q9BU80; Q9UJ89; Q9Y479
UniProt Related Accession #	O75638
GenBank Nucleotide #	NM_172377.3
NCBI Official Full Name	cancer/testis antigen 2 isoform LAGE-1a
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
Protein Family	Cancer/testis antigen
UniProt Gene Name	CTAG2
UniProt Synonym Gene Names	ESO2; LAGE1; CT2; CT6.2; LAGE-1

UniProt Entry Name	CTAG2_HUMAN
NCBI Protein Information	cancer/testis antigen 2; LAGE-1a protein; cancer/testis antigen 6.2; I antigen family member 1; CTL-recognized antigen on melanoma; cancer/testis antigen family 6, member 2a; cancer/testis antigen family 6, member 2b; autoimmunogenic cancer/testis antigen
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.
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