

CTAG2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13767c

Product Information

Application	WB, IHC-P, E
Primary Accession	O75638
Other Accession	NP_758965.1 , NP_066274.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33852
Calculated MW	21090
Antigen Region	122-149

Additional Information

Gene ID	30848
Other Names	Cancer/testis antigen 2, CT2, Autoimmunogenic cancer/testis antigen NY-ESO-2, Cancer/testis antigen 62, CT62, L antigen family member 1, LAGE-1, CTAG2, ESO2, LAGE1
Target/Specificity	This CTAG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 122-149 amino acids from the Central region of human CTAG2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CTAG2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CTAG2
Synonyms	ESO2, LAGE1

Tissue Location

Testis and very low level in placenta and in some uterus samples. Observed in 25-50% of tumor samples of melanomas, non- small-cell lung carcinomas, bladder, prostate and head and neck cancers

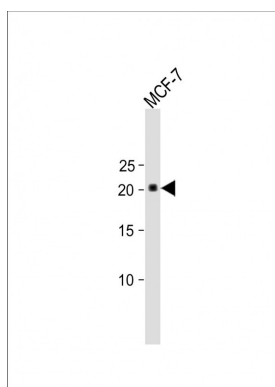
Background

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].

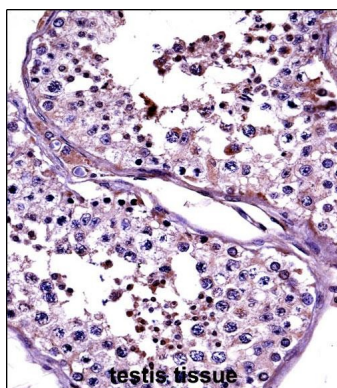
References

Wang, X.Y., et al. Oncol. Rep. 21(3):713-719(2009)
Shao, Y., et al. J. Cancer Res. Clin. Oncol. 134(4):495-502(2008)
Andrade, V.C., et al. Cancer Immun. 8, 2 (2008) :
Kan, T., et al. Oncology 70(1):25-33(2006)
Scanlan, M.J., et al. Immunol. Rev. 188, 22-32 (2002) :

Images



All lanes: Anti-CTAG2 Antibody (Center) at 1:1000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 21 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



CTAG2 Antibody (Center) (AP13767c) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CTAG2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.