GCET1

CONTACT INFORMATION:	Monoclonal Antibodies Unit. Centro Nacional de Investigaciones Oncológicas
STATUS:	Validated
TYPE:	mouse anti human
CLONE NAME:	RAM
PROTEIN:	full length human GCET1
PROTEIN WEB:	http://www.ncbi.nlm.nih.gov/protein/110225347
ANTIGEN USED:	HIS-GCET1
FUSION PARTNER:	NS1/Ag4-1 (NS1) cells
ISOTYPE:	IgG1
SPECIES REACTIVITY:	human
PREPARATION AND STORAGE:	Aliquot and store at 4C. Do not freeze
APP RECOMMENDED:	IHQ-paraffin, IHQ-frozen, IF, WB
APP NO TESTED:	IP, Flow cytometry

DESCRIPTION

GCET1 (germinal center B-cell expressed transcript 1) belongs to the SERPIN family of proteins and is located within a cluster of SERPIN genes on chromosome 14q32). This protein may play an important role in GC-B cell physiology. Its expression in lymphomas could be important in differential diagnosis and research.

PUBLICATION DESCRIBING ANTIBODY CHARACTERIZATION/VALIDATION

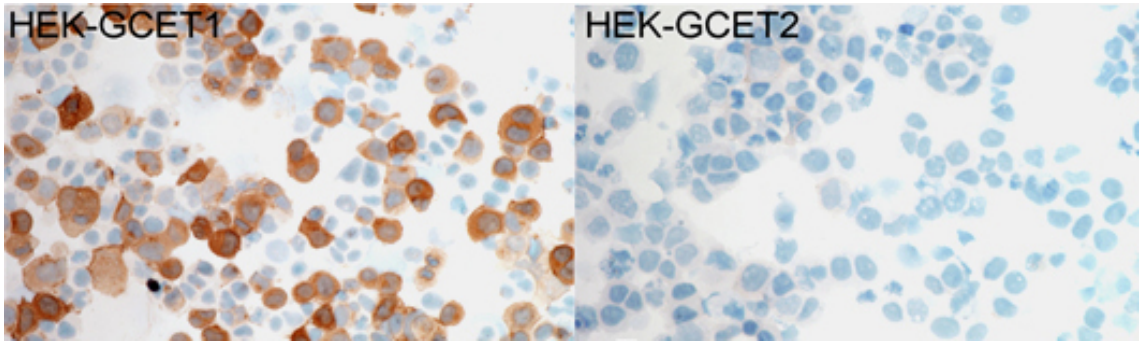
Montes-Moreno S, Roncador G, Maestre L, Martinez N, Sanchez-Verde L, Camacho F, Cannata J, Martinez-Torrecuadrada JL, Shen Y, Chan WC, Piris MA. Gcet1 (centerin), a highly restricted marker for a subset of Germinal Centre-derived lymphomas. Blood. 2007.http://www.ncbi.nlm.nih.gov/pubmed/17898315

REFERENCES

Montes-Moreno S, Roncador G, Maestre L, Martinez N, Sanchez-Verde L, Camacho F, Cannata J, Martinez-Torrecuadrada JL, Shen Y, Chan WC, Piris MA. Gcet1 (centerin), a highly restricted marker for a subset of Germinal Centre-derived lymphomas. Blood. 2007.

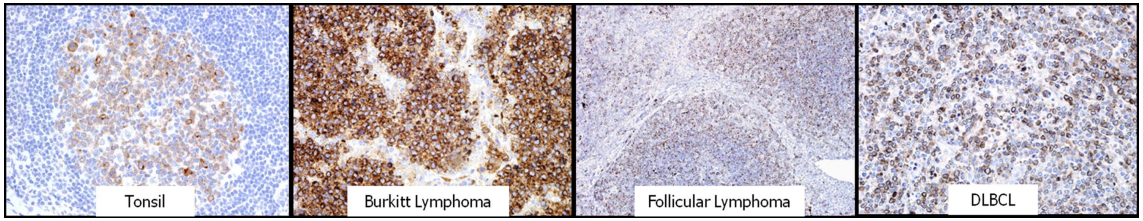
APPLICATIONS

IHC Techniques	Clone	Dilution	Antibody concentration	Antigen retrieval method	Visualization kit	Positive control	Negative control	Protein localization	Positivity in other species
Frozen tissue and cytospins									
Not recommended	RAM								
Paraffin tissue									
Recommended	RAM	1:4	supernatant	ER2 20 min (Tris-EDTA)	Novolink	Tonsil		cytoplasmic	
Immunofluorescence									



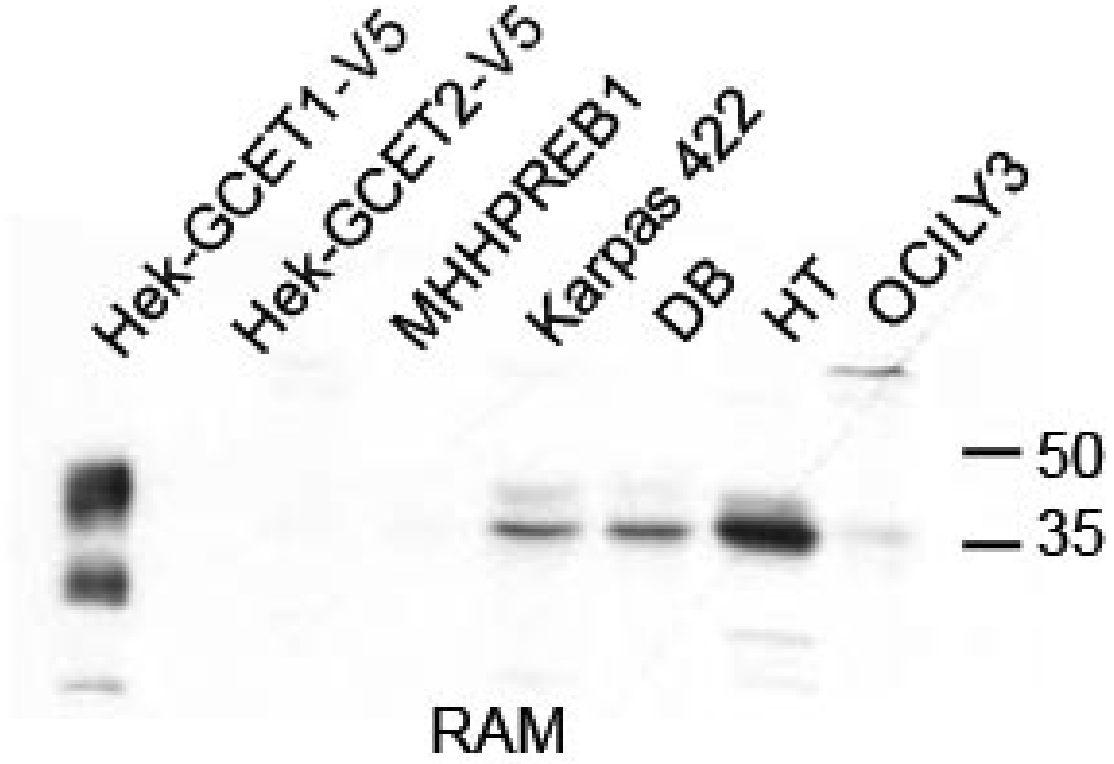
Cytospin slides of transfected HEK cells.

The transfected HEK cell line with GCET1 showed specific labelling with RAM antibody. HEK-GCET2 transfected cells were used as negative control.



Immunostaining of RAM antibody on human paraffin tissues.

WB Techniques	Clone	Dilution	Antibody concentration	Positive control	Negative control	Expected MW	Observed Mw	Positivity in other species
Western Blotting								
Recommended	RAM	1:5	supernatant	HT cell line	MHHPREB1 cell lines	46kDa	46kDa	
Immunoprecipitation								



GCET1 expression by Western blot.

The first two rows demonstate the specificity of RAM antibody on HEK transfected cells.

Lane 1 Hek-GCET1-V5 transfected cells (20ug) (+)

Lane 2 Hek-GCET2-V5 transfected cells (20ug) (-)

Lane 3 MHHPREB1 cell line (100ug) (-)

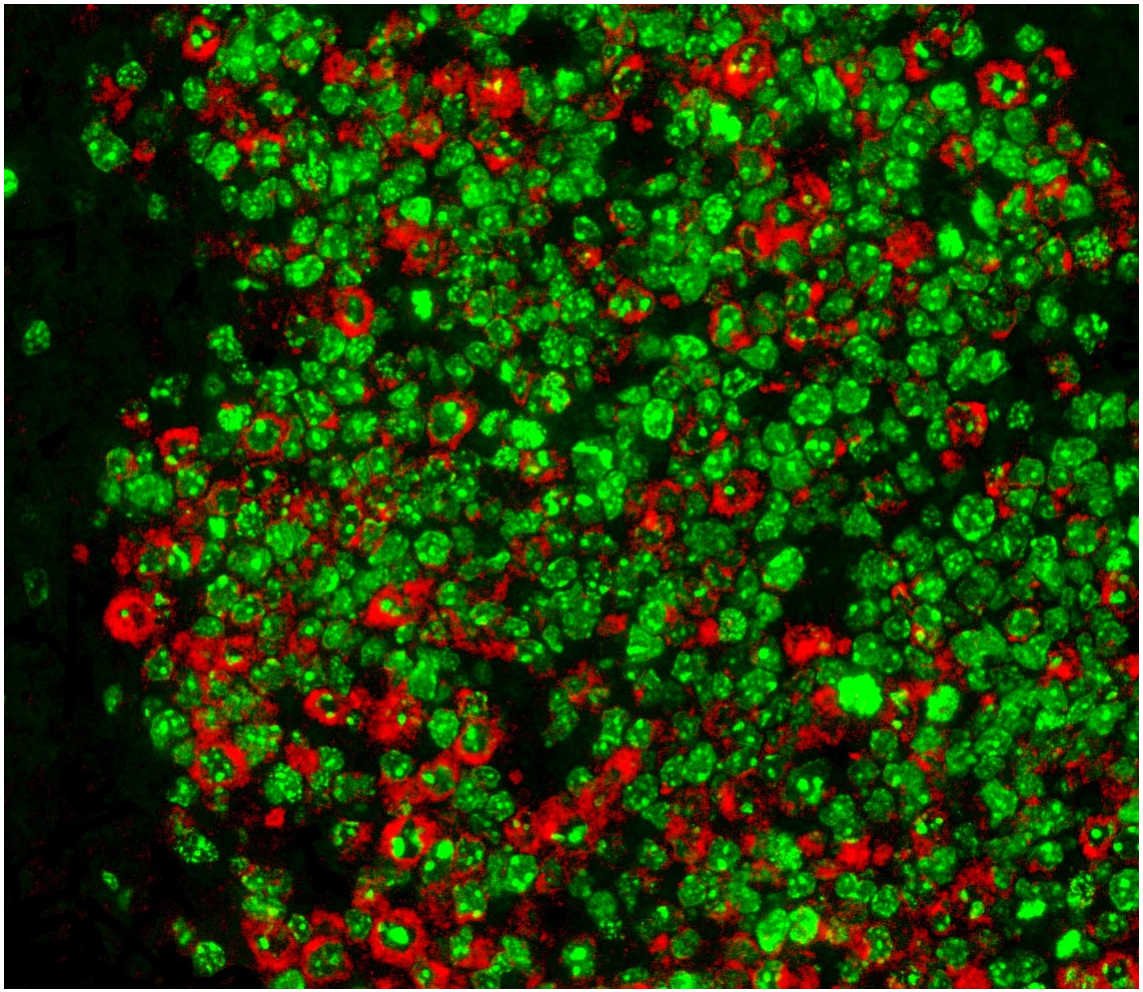
Lane 4 Karpas 422 cell line (100ug) (+)

Lane 5 DB cell line (100ug) (+)

Lane 6 HT cell line (100ug) (+)

Lane 7 OCILY3 cell line (100ug) (+)

OTHERS	Title	Description
Recommended	Immunofluorescence combined with enzymatic staini	



Doble immunofluorescence combined with enzymatic staining in reactive follicles.

Double immunostaining for KI-67 and GCET1 demonstrated that GCET1 positive cells (red) are double-positive with KI-67 (green), whereas some KI-67 positive cells are negative with GCET1.