

ZNF683 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10957

Product Information

Application	WB, IHC
Primary Accession	Q8IZ20
Other Accession	NM_173574 , NP_775845
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56905

Additional Information

Gene ID	257101
Alias Symbol	RP11-569G9.6
Other Names	Zinc finger protein 683, ZNF683
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-ZNF683 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	ZNF683 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZNF683 (HGNC:28495)
Function	Transcription factor that mediates a transcriptional program in various innate and adaptive immune tissue-resident lymphocyte T-cell types such as tissue-resident memory T (Trm), natural killer (trNK) and natural killer T (NKT) cells and negatively regulates gene expression of proteins that promote the egress of tissue-resident T-cell populations from non-lymphoid organs. Plays a role in the development, retention and long-term establishment of adaptive and innate tissue- resident lymphocyte T cell types in non-lymphoid organs, such as the skin and gut, but also in other nonbarrier tissues like liver and kidney, and therefore may provide immediate immunological protection against reactivating infections or viral reinfection. Also plays a role in the differentiation of both thymic and peripheral NKT cells. Negatively regulates

the accumulation of interferon-gamma (IFN-gamma) in NKT cells at steady state or after antigenic stimulation. Positively regulates granzyme B production in NKT cells after innate stimulation. Associates with the transcriptional repressor PRDM1/BLIMP1 to chromatin at gene promoter regions.

Cellular Location

Nucleus.

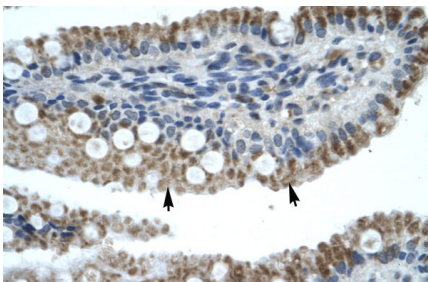
Tissue Location

Expressed in terminally differentiated effector CD8(+) T-cells, but not in naive and central memory cells (PubMed:26179882). Expressed in terminally differentiated natural killer (NK) cells and natural killer (NKT) T-cells (at protein level) (PubMed:26179882). Expressed strongly in effector-type CD8(+) T-cells and weakly in naive and memory CD8(+) T-cells (PubMed:26179882). Expressed in terminally differentiated natural killer (NK) cells (PubMed:26179882). Isoform 2 is strongly expressed in effector CD8(+) T and natural killer (NK) cells (PubMed:26179882). Isoform 1 is expressed in effector CD8(+) T and natural killer (NK) cells (PubMed:26179882).

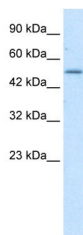
References

Strausberg,R.L., et al., (2002) Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903
Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



Human Intestine



WB Suggested Anti-ZNF683 Antibody Titration: 1.25µg/ml
ELISA Titer: 1:312500
Positive Control: HepG2 cell lysate

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