10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ZNF683 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10957

Specification

ZNF683 antibody - N-terminal region - Product Information

Application	**IHC, WB**
Primary Accession	Q8IZ20
Other Accession	NM_173574, NP_775845
Reactivity	**Human**
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**55kDa KDa**

ZNF683 antibody - N-terminal region - 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.

ZNF683 antibody - N-terminal region - 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.

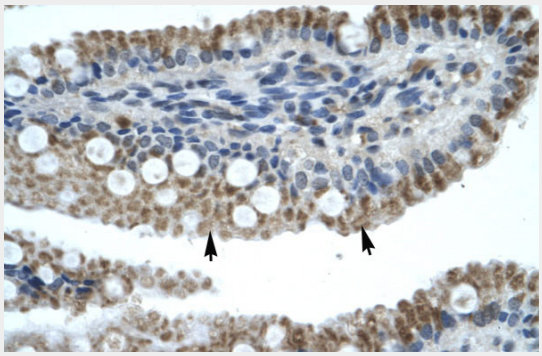
Tissue Location
Expressed in terminally differentiated effector CD8(+) T-cells, but not in naive and central memory cells (PubMed:26179882). Expressed in terminally differentiated natural killer (NK) cells and natural killer (NKT) T-cells (at protein level) (PubMed:26179882). Expressed strongly in effector-type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

ZNF683 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

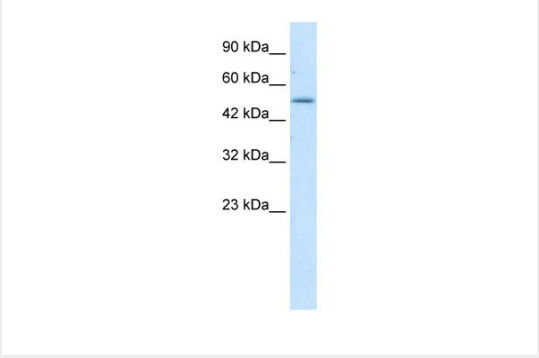
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ZNF683 antibody - N-terminal region - Images



Human Intestine

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

ZNF683 antibody - N-terminal region - References

Strausberg,R.L., et al., (2002) Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903Reconstitution 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.