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

ZNF521 Antibody (N-Terminus)

Rabbit Polyclonal Antibody

Catalog # ALS15623

Specification

ZNF521 Antibody (N-Terminus) - Product Information

Application	**ICC, IF, WB**
Primary Accession	Q96K83
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**148kDa KDa**

ZNF521 Antibody (N-Terminus) - Additional Information

Gene ID 25925

Other Names
Zinc finger protein 521, Early hematopoietic zinc finger protein, LYST-interacting protein 3, ZNF521, EHZF, LIP3

Target/Specificity
Human ZNF521. ZNF521 antibody is human specific.

Reconstitution & Storage
Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions
ZNF521 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

ZNF521 Antibody (N-Terminus) - Protein Information

Name ZNF521

Synonyms EHZF, LIP3

Function
Transcription factor that can both act as an activator or a repressor depending on the context. Involved in BMP signaling and in the regulation of the immature compartment of the hematopoietic system. Associates with SMADs in response to BMP2 leading to activate transcription of BMP target genes. Acts as a transcriptional repressor via its interaction with EBF1, a transcription factor involved specification of B-cell lineage; this interaction preventing EBF1 to bind DNA and activate target genes.

Cellular Location
Nucleus.

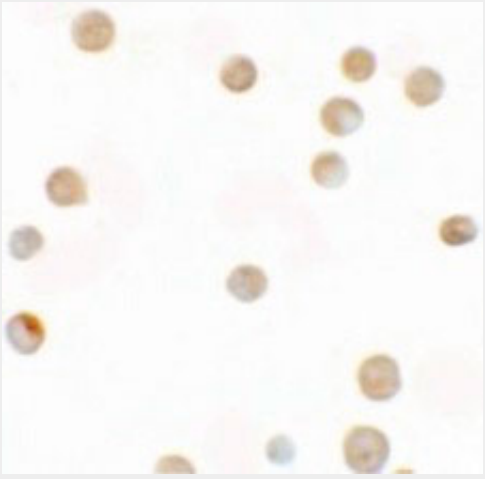
Tissue Location
Predominantly expressed in hematopoietic cells. Present in organs and tissues that contain stem and progenitor cells, myeloid and/or lymphoid: placenta, spleen, lymph nodes, thymus, bone marrow and fetal liver. Within the hematopoietic system, it is abundant in CD34(+) cells but undetectable in mature peripheral blood leukocytes, and its levels rapidly decrease during the differentiation of CD34(+) cells in response to hemopoietins

ZNF521 Antibody (N-Terminus) - Protocols

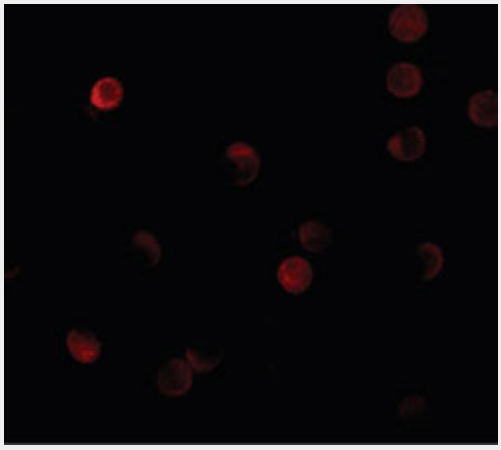
Provided below are standard protocols that you may find useful for product applications.

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

ZNF521 Antibody (N-Terminus) - Images

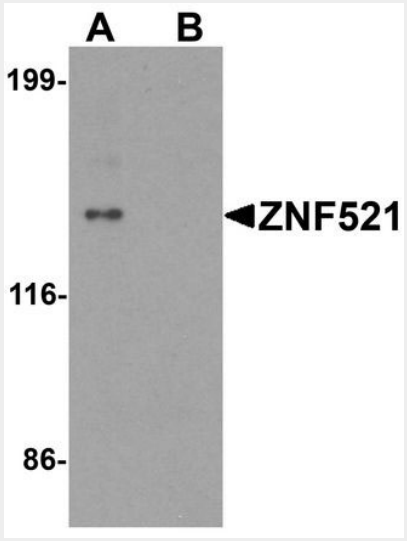


Immunocytochemistry of ZNF521 (NT) in HeLa cells with ZNF521 (NT) antibody at 2.5 ug/ml.



Immunofluorescence of ZNF521 in HeLa cells with ZNF521 antibody at 20 ug/ml.

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



Western blot analysis of ZNF521 in HeLa cell lysate with ZNF521 antibody at 1 ug/ml in (A) the...

ZNF521 Antibody (N-Terminus) - Background

Transcription factor that can both act as an activator or a repressor depending on the context. Involved in BMP signaling and in the regulation of the immature compartment of the hematopoietic system. Associates with SMADs in response to BMP2 leading to activate transcription of BMP target genes. Acts as a transcriptional repressor via its interaction with EBF1, a transcription factor involved specification of B-cell lineage; this interaction preventing EBF1 to bind DNA and activate target genes.

ZNF521 Antibody (N-Terminus) - References

Bond H.M.,et al.Blood 103:2062-2070(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Mullighan C.G.,et al.Nature 446:758-764(2007).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).