

ZN521 Rabbit pAb

CatalogNo: YT7130

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 144kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality Polyclonal

| Immunogen Information

Immunogen Synthesized peptide derived from human ZN521 AA range: 997-1047

Specificity This antibody detects endogenous levels of ZN521 at Human/Mouse

| Target Information

Gene name ZNF521 EHZF LIP3

Protein Name ZN521

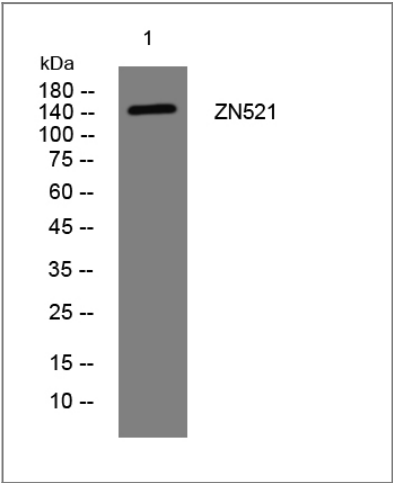
Organism	Gene ID	UniProt ID
Human	25925;	Q96K83;
Mouse	225207;	Q6KAS7;

Cellular Localization Nucleus .

Tissue specificity 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.

Function Disease:A chromosomal aberration involving ZNF521 is found in acute lymphoblastic leukemia. Translocation t(9;18)(p13;q11.2) with PAX5. The translocation generates the PAX5-ZNF521 oncogene consisting of the N-terminus part of PAX5 and the C-terminus part of ZNF521.,Domain:Uses different DNA- and protein-binding zinc fingers to regulate the distinct BMP-Smad and hematopoietic system.,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.,similarity:Belongs to the krueppel C2H2-type zinc-finger protein family.,similarity:Contains 30 C2H2-type zinc fingers.,subunit:Interacts with EBF1. Interacts with SMAD1 and SMAD4.,tissue specificity: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.,

| Validation Data



Western blot analysis of lysates from MDA-MB cells, primary antibody was diluted at 1:1000, 4°over night

| Contact information

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