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

CD361 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55672

Specification

CD361 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	P34910
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**46 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human CD361**
Epitope Specificity	**151-250/448**
Isotype	**IgG**
Purity affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Membrane.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
EVI2B is a 448 amino acid protein which functions in the differentiation of melanocytes and keratinocytes. Lying within an intron of the Neurofibromin gene, the gene encoding EVI2B is transcribed from the telomere toward the centromere, which is opposite the transcription direction of the Neurofibromin gene. EVI2B is a single-pass transmembrane protein containing an extracellular domain with 4 glycosylation sites, a N-terminal signal peptide, a cytoplasmic hydrophilic domain and a hydrophobic transmembrane domain. Due to evidence suggesting that gene encoding the mouse homolog lies within a viral integration site that has been identitified in retrovirus-induced myeloid tumors, the gene encoding EVI2B may function as an oncogene in these tumor types. With expression in peripheral blood mononuclear cells, fibroblasts, bone marrow and EBV-transformed lymphoblastoid cell lines, EVI2B is implicated in leukemogenesis.

CD361 Polyclonal Antibody - Additional Information

Gene ID 2124

Other Names
Protein EVI2B, Ecotropic viral integration site 2B protein homolog, EVI-2B, CD361, EVI2B {ECO:0000303|PubMed:1903357, ECO:0000312|HGNC:HGNC:3500}

Target/Specificity
Bone marrow, peripheral blood mononuclear cells, fibroblasts and Epstein-Barr virus-transformed lymphoblastoid cell lines.

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

CD361 Polyclonal Antibody - Protein Information

Name EVI2B {ECO:0000303|PubMed:1903357, ECO:0000312|HGNC:HGNC:3500}

Function
Required for granulocyte differentiation and functionality of hematopoietic progenitor cells through the control of cell cycle progression and survival of hematopoietic progenitor cells.

Cellular Location
Membrane; Single-pass type I membrane protein.

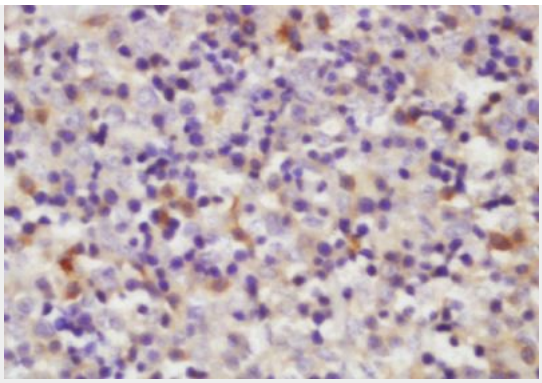
Tissue Location
Bone marrow, peripheral blood mononuclear cells, fibroblasts and Epstein-Barr virus-transformed lymphoblastoid cell lines. Strongly expressed in granulocytic cells, and weakly on lymphocytes cells.

CD361 Polyclonal Antibody - Protocols

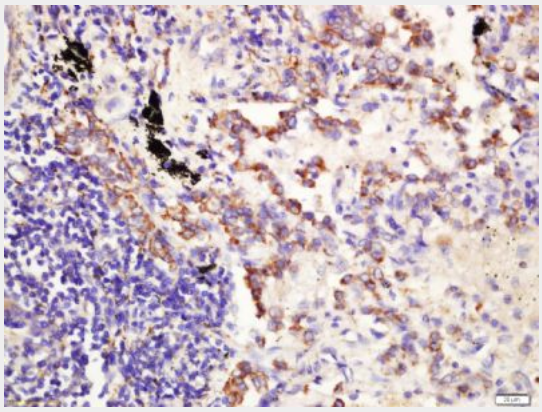
Provided below are standard protocols that you may find useful for product applications.

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

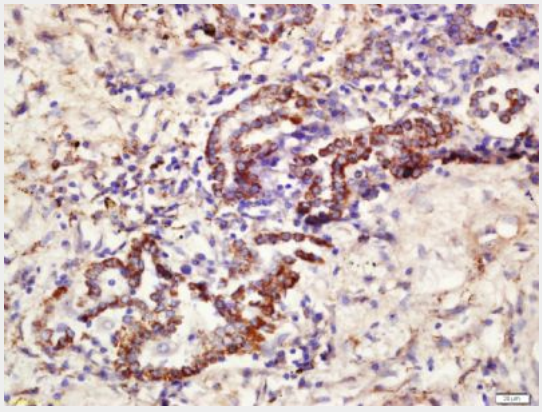
CD361 Polyclonal Antibody - Images



Tissue/cell: mosue embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-CD361 Polyclonal Antibody, Unconjugated(bs-14684R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: Human lung cancer tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-CD361 Polyclonal Antibody, Unconjugated(bs-14684R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous

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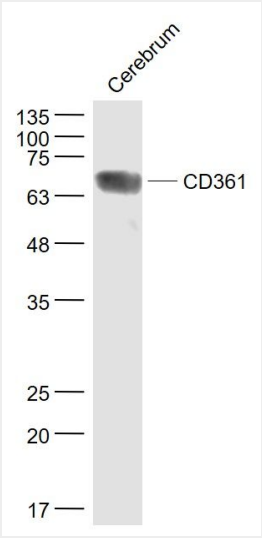

Sample:
Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti- CD361 (bs-14684R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 46 kD
Observed band size: 66 kD