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SP140 Antibody (clone 3F9)

Mouse Monoclonal Antibody
Catalog # ALS14331

Specification

SP140 Antibody (clone 3F9) - Product Information

Application	**IHC-P, E**
Primary Accession	Q13342
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**98kDa KDa**
Dilution	**IHC-P~~N/A** **E~~N/A**

SP140 Antibody (clone 3F9) - Additional Information

Gene ID 11262

Other Names
Nuclear body protein SP140 {ECO:0000312|HGNC:HGNC:17133}, Lymphoid-restricted homolog of Sp100, LYSp100, Nuclear autoantigen Sp-140, Speckled 140 kDa, SP140 (HGNC:17133)

Target/Specificity
Human SP140

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
SP140 Antibody (clone 3F9) is for research use only and not for use in diagnostic or therapeutic procedures.

SP140 Antibody (clone 3F9) - Protein Information

Name SP140 (HGNC:17133)

Function
Component of the nuclear body, also known as nuclear domain 10, PML oncogenic domain, and KR body (PubMed:8910577). May be involved in the pathogenesis of acute promyelocytic leukemia and viral infection (PubMed:8910577). May play a role in chromatin-mediated regulation of gene expression although it does not bind to histone H3 tails (PubMed:24267382).

Cellular Location
Nucleus. Nucleus, PML body Cytoplasm. Note=Localized to nuclear structures termed LANDS, for LYSp100-associated nuclear domains. LANDS are globular, electron-dense structures most often found in the nucleoplasm, but also found at the nuclear membrane and in the cytoplasm, suggesting that these structures may traffic between the cytoplasm and the nucleus (PubMed:8695863). Also colocalizes with PML in a subset of PML nuclear bodies (PubMed:8910577)

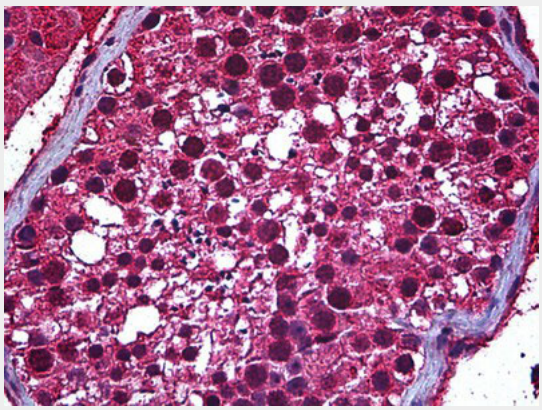
Tissue Location
High levels in spleen and peripheral blood leukocytes, much lower levels in tonsils, thymus, prostate, ovary, small intestine, and colon (PubMed:8695863, PubMed:8910577). Very low levels in heart, brain, placenta, lung, liver, skeletal muscle, kidney, and pancreas (PubMed:8910577). Not detected in brain, liver and muscle (PubMed:8695863).

SP140 Antibody (clone 3F9) - 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

SP140 Antibody (clone 3F9) - Images



Anti-SP140 antibody IHC of human testis.

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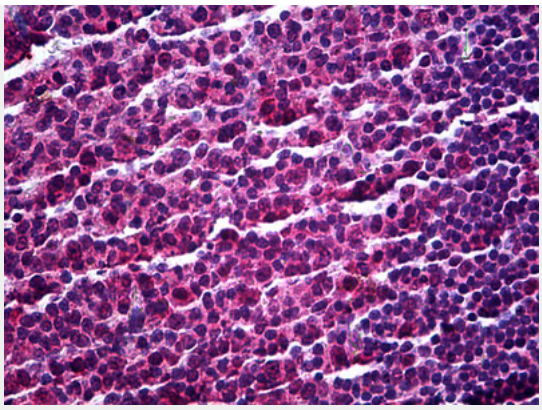

Anti-SP140 antibody IHC of human tonsil.

SP140 Antibody (clone 3F9) - Background

Component of the nuclear body, also known as nuclear domain 10, PML oncogenic domain, and KR body (PubMed:8910577). May be involved in the pathogenesis of acute promyelocytic leukemia and viral infection (PubMed:8910577). May play a role in chromatin-mediated regulation of gene expression although it does not bind to histone H3 tails (PubMed:24267382).

SP140 Antibody (clone 3F9) - References

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Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Zucchelli C.,et al.FEBS J. 281:216-231(2014).