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SDR / SDPR Antibody (N-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS16013

Specification

SDR / SDPR Antibody (N-Terminus) - Product Information

Application	**IF, IHC, WB**
Primary Accession	O95810
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**47kDa KDa**

SDR / SDPR Antibody (N-Terminus) - Additional Information

Gene ID 8436

Other Names
Serum deprivation-response protein, Cavin-2, PS-p68, Phosphatidylserine-binding protein, SDPR {ECO:0000312|EMBL:AAD17795.1}

Target/Specificity
It is predicted to not cross-react with other members of the cavin family.

Reconstitution & Storage
Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

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

SDR / SDPR Antibody (N-Terminus) - Protein Information

Name CAVIN2 (HGNC:10690)

Function
Plays an important role in caveolar biogenesis and morphology. Regulates caveolae morphology by inducing membrane curvature within caveolae (PubMed:19525939). Plays a role in caveola formation in a tissue-specific manner. Required for the formation of caveolae in the lung and fat endothelia but not in the heart endothelia. Negatively regulates the size or stability of CAVIN complexes in the lung endothelial cells. May play a role in targeting PRKCA to caveolae (By similarity).

Cellular Location
Cytoplasm, cytosol. Membrane, caveola Note=Localizes in the caveolae in a caveolin-dependent manner

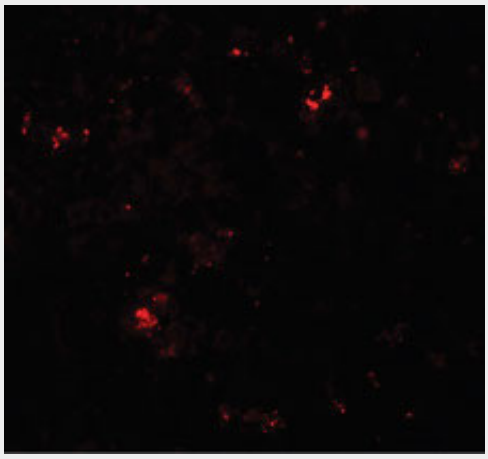
Tissue Location
Highly expressed in heart and lung, and expressed at lower levels in brain, kidney, liver, pancreas, placenta, and skeletal muscle.

SDR / SDPR Antibody (N-Terminus) - Protocols

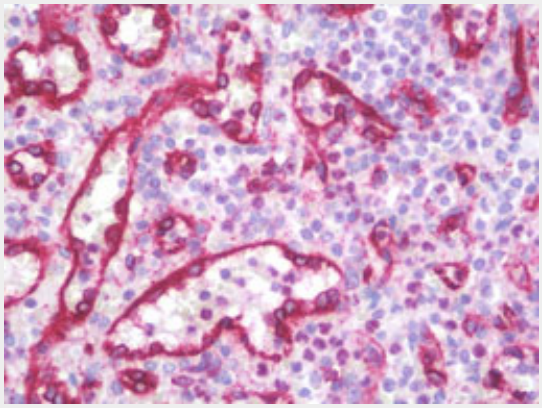
Provided below are standard protocols that you may find useful for product applications.

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

SDR / SDPR Antibody (N-Terminus) - Images

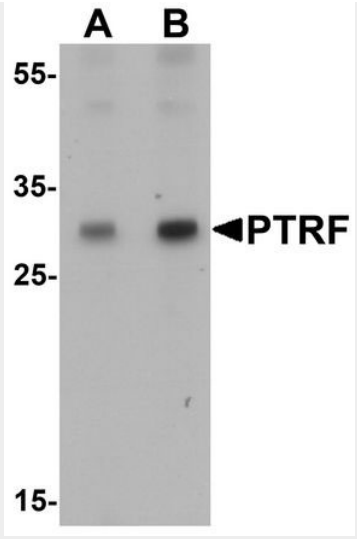


Immunofluorescence of SDPR in human spleen tissue with SDPR antibody at 20 ug/ml.



Anti-SDR / SDPR antibody IHC staining of human spleen.

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Western blot analysis of SDPR in HeLa cell lysate with SDPR antibody at (A) 1 and (B) 2 ug/ml

SDR / SDPR Antibody (N-Terminus) - Background

May play a role in targeting PRKCA to caveolae.

SDR / SDPR Antibody (N-Terminus) - References

Gustincich S.,et al.Genomics 57:120-129(1999).
Hillier L.W.,et al.Nature 434:724-731(2005).
Bienvenut W.V.,et al.Submitted (NOV-2005) to UniProtKB.
Burgener R.,et al.Biochem. J. 269:729-734(1990).
Carrascal M.,et al.J. Proteome Res. 7:5167-5176(2008).