ARL6IP4 (ZZ-8): sc-81894



The Boures to Overtion

BACKGROUND

ARL6IP4 (ADP-ribosylation-like factor 6 interacting protein 4), also known as SR-25 or SRp25, is a widely expressed, 360 amino acid, hydrophilic nuclear protein with predominant expression in testis and thymus. ARL6IP4 is a binding partner of ARF6 and is also believed to function in RNA splicing, as is suggested by its serine-arginine repeat (SR) domain, a domain that is characteristic of many pre-mRNA splicing factors. ARL6IP4 also contains at least fifteen putative phosphorylation sites. In addition, ARL6IP4 functionally interacts with Rac 1, a GTP binding protein of the Ras superfamily, and may play a role regulating Rac 1-dependent signaling pathways. At the amino acid level, the human and mouse ARL6IP4 proteins show 77.7% identity.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ARL6IP4 (human) mapping to 12g24.31.

SOURCE

ARL6IP4 (ZZ-8) is a mouse monoclonal antibody raised against recombinant ARL6IP4 of human origin.

PRODUCT

Each vial contains 100 $\mu g \; lg G_{2a}$ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

ARL6IP4 (ZZ-8) is recommended for detection of ARL6IP4 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μg per 100-500 μg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ARL6IP4 siRNA (h): sc-96185, ARL6IP4 shRNA Plasmid (h): sc-96185-SH and ARL6IP4 shRNA (h) Lentiviral Particles: sc-96185-V.

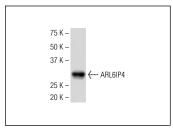
Molecular Weight of ARL6IP4: 25 kDa.

Positive Controls: HeLa nuclear extract: sc-2120.

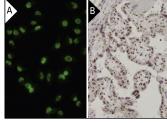
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-lgG κ BP-HRP: sc-516102 or m-lgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz MarkerTM Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-lgG κ BP-FITC: sc-516140 or m-lgG κ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850. 4) Immunohistochemistry: use m-lgG κ BP-HRP: sc-516102 with DAB, 50X: sc-24982 and Immunohistomount: sc-45086, or Organo/Limonene Mount: sc-45087.

DATA



ARL6IP4 (ZZ-8): sc-81894. Western blot analysis of ARL6IP4 expression in HeLa nuclear extract.



ARL6IP4 (ZZ-8): sc-81894. Immunofluorescence staining of paraformaldehyde-fixed HeLa cells showing nuclear localization [A]. Immunoperoxidase staining of formalin-fixed, paraffin-embedded human placenta tissue showing nuclear and cytoplasmic localization (B).

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

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