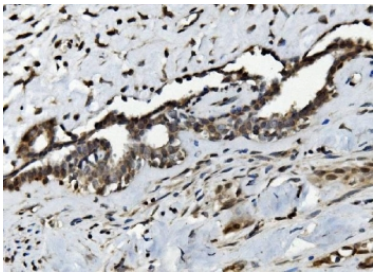
Serum Response Factor Antibody / SRF (RQ6341)

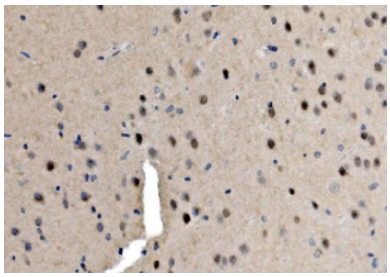
Catalog No.	Formulation	Size
RQ6341	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

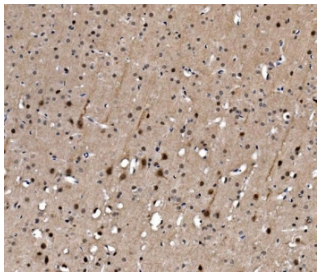
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P11831
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence (FFPE): 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Serum Response Factor antibody is available for research use only.



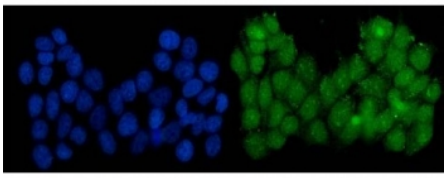
IHC staining of FFPE human breast cancer with Serum Response Factor antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



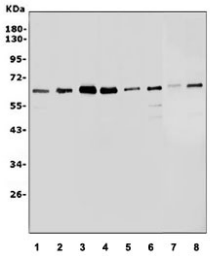
IHC staining of FFPE mouse brain with Serum Response Factor antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



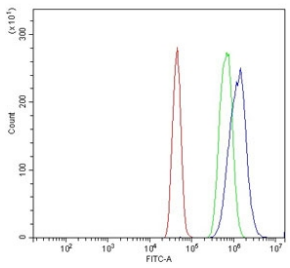
IHC staining of FFPE rat brain with Serum Response Factor antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



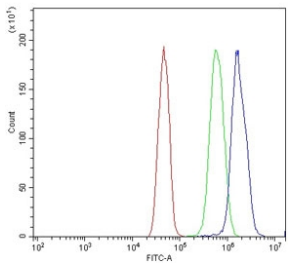
Immunofluorescent staining of FFPE human MCF7 cells with Serum Response Factor antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HeLa, 2) HEK293, 3) MCF7, 4) Jurkat, 5) ThP-1, 6) Caco-2, 7) rat C6 and 8) mouse NIH 3T3 lysate with Serum Response Factor antibody. Predicted molecular weight: ~52/60-70 kDa (unmodified/phosphorylated).



Flow cytometry testing of human A431 cells with Serum Response Factor antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Serum Response Factor antibody.



Flow cytometry testing of human U-251 cells with Serum Response Factor antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Serum Response Factor antibody.

Description

Serum response factor, also known as SRF, is a transcription factor protein. This gene encodes a ubiquitous nuclear protein that stimulates both cell proliferation and differentiation. It is a member of the MADS (MCM1, Agamous, Deficiens, and SRF) box superfamily of transcription factors. This protein binds to the serum response element (SRE) in the promoter region of target genes. This protein regulates the activity of many immediate-early genes, for example c-fos, and thereby participates in cell cycle regulation, apoptosis, cell growth, and cell differentiation. This gene is the downstream target of many pathways; for example, the mitogen-activated protein kinase pathway (MAPK) that acts through the ternary complex factors (TCFs). Two transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Serum Response Factor antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids K154-E508) was used as the immunogen for the Serum Response Factor antibody.

Storage

After reconstitution, the Serum Response Factor antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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