10320 Camino Santa Fe, Suite G
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STAT5A Antibody (clone 9F7)

Mouse Monoclonal Antibody
Catalog # ALS16733

Specification

STAT5A Antibody (clone 9F7) - Product Information

Application	**IHC, IF, WB, FC**
Primary Accession	P42229
Other Accession	6776
Reactivity	**Human, Rat, Monkey, Dog**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**90647**

STAT5A Antibody (clone 9F7) - Additional Information

Gene ID 6776

Other Names
STAT5A, MGF, STAT5

Target/Specificity
Human STAT5A / STAT5

Reconstitution & Storage
PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide. Store at -20°C. Minimize freezing and thawing.

Precautions
STAT5A Antibody (clone 9F7) is for research use only and not for use in diagnostic or therapeutic procedures.

STAT5A Antibody (clone 9F7) - Protein Information

Name STAT5A

Synonyms STAT5

Function
Carries out a dual function: signal transduction and activation of transcription. Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. Mediates cellular responses to ERBB4. May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4. Binds to the GAS element and activates PRL- induced transcription. Regulates the expression of milk proteins during lactation.

Cellular Location
Cytoplasm. Nucleus. Note=Translocated into the nucleus in response to phosphorylation

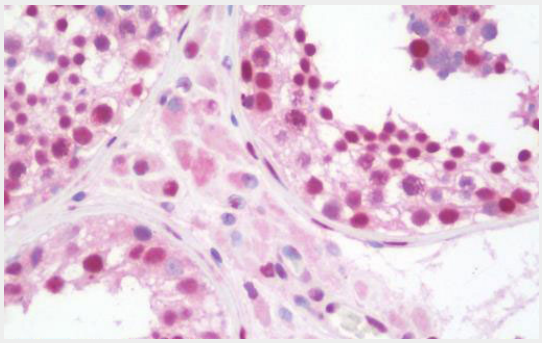
Volume
50 µl

STAT5A Antibody (clone 9F7) - Protocols

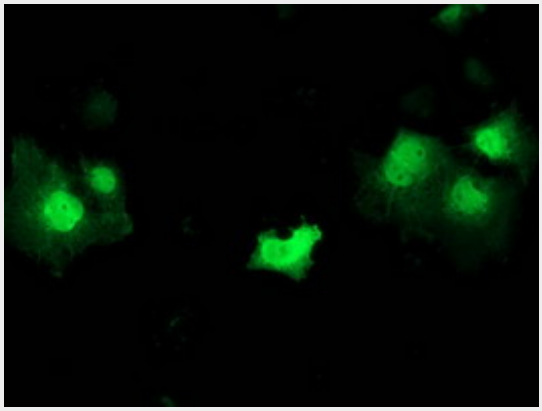
Provided below are standard protocols that you may find useful for product applications.

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

STAT5A Antibody (clone 9F7) - Images

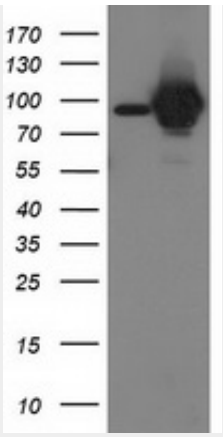


Anti-STAT5A antibody IHC staining of human testis.

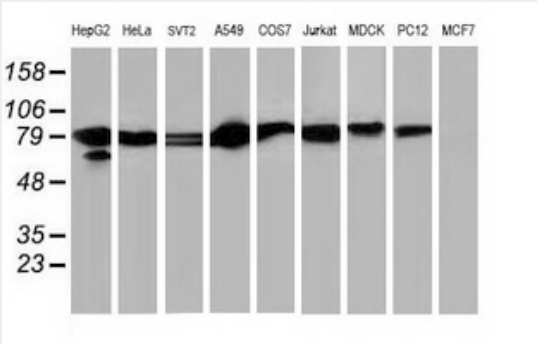


Anti-STAT5A mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently...

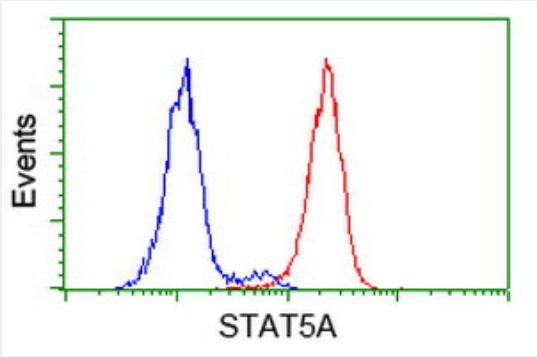
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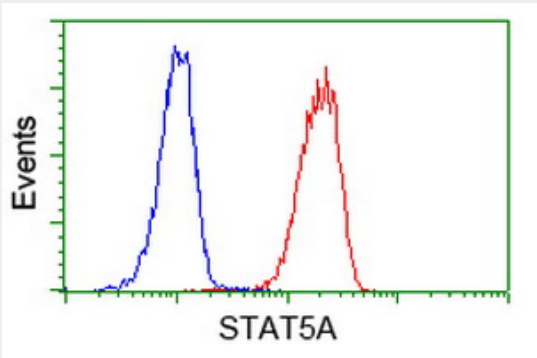
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY STAT5A...



Western blot of extracts (35 ug) from 9 different cell lines by using anti-STAT5A monoclonal...



Flow cytometry of HeLa cells, using anti-STAT5A antibody (Red), compared to a nonspecific...



Flow cytometry of Jurkat cells, using anti-STAT5A antibody (Red), compared to a nonspecific...

STAT5A Antibody (clone 9F7) - Background

Carries out a dual function: signal transduction and activation of transcription. Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. Mediates cellular responses to ERBB4. May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4. Binds to the GAS element and activates PRL-induced transcription. Regulates the expression of milk proteins during lactation.

STAT5A Antibody (clone 9F7) - References

Hou J.,et al.Immunity 2:321-329(1995).
Lin J.X.,et al.Submitted (DEC-1995) to the EMBL/GenBank/DDBJ databases.
Tan D.,et al.Submitted (APR-2006) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).