

## STF-1 (Phospho Ser203) Rabbit pAb

CatalogNo: YP1762

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 51kD (Calculated)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-2000**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human STF-1 (Phospho-Ser203)

**Specificity** This antibody detects endogenous levels of STF-1 (Phospho-Ser203) at Human, Mouse, Rat. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): YAsPP

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## | Target Information

**Gene name** NR5A1 AD4BP FTZF1 SF1

**Protein Name** STF-1 (Phospho-Ser203)

| Organism | Gene ID                | UniProt ID              |
|----------|------------------------|-------------------------|
| Human    | <a href="#">2516;</a>  | <a href="#">Q13285;</a> |
| Mouse    | <a href="#">26423;</a> | <a href="#">P33242;</a> |
| Rat      | <a href="#">83826;</a> | <a href="#">P50569;</a> |

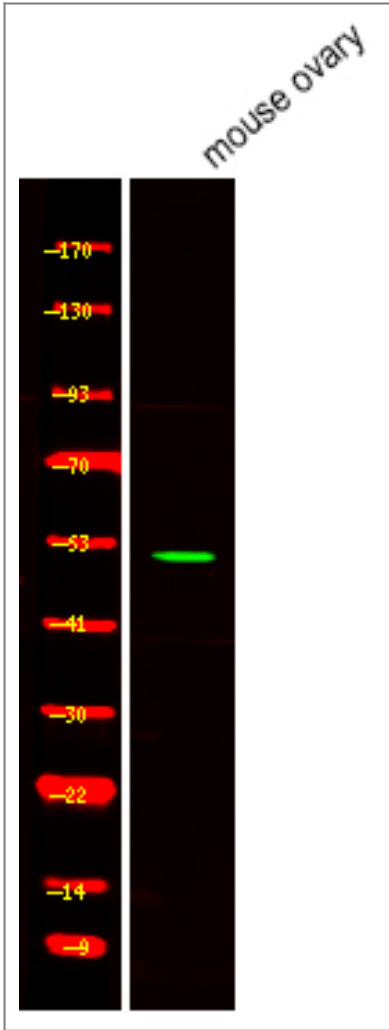
**Cellular Localization** Nucleus .

**Tissue specificity** High expressed in the adrenal cortex, the ovary, the testis, and the spleen (PubMed:9177385).

**Function** Disease:Defects in NR5A1 are a cause of adrenocortical insufficiency without ovarian defect [MIM:184757]. The disease is characterized by severe 'slackness,' muscular hypotonia. There is decreased sodium, increased potassium and elevated ACTH.,Disease:Defects in NR5A1 are a cause of XY sex reversal with or without adrenal failure [MIM:184757]. This disease is characterized by normal female external genitalia and retention of the uterus.,Function:Transcriptional activator. Seems to be essential for sexual differentiation and formation of the primary steroidogenic tissues. Binds to the Ad4 site found in the promoter region of steroidogenic P-450 genes such as CYP11A, CYP11B and CYP21B. Also regulates the Muellerian inhibiting substance (AMH) gene as well as the AHCH and STAR genes. 5'-YCAAGGYC-3' and 5'-RRAGGTCA-3' are the consensus sequences for the recognition by NR5A1/FTZF1. The SFPQ-NONO-NR5A1/SF-1 complex binds to the CYP17 promoter and regulates basal and cAMP-dependent transcriptional activity. Binds phosphatidylcholine (By similarity). Binds phospholipids with a phosphatidylinositol (PI) headgroup, in particular PI(3,4)P2 and PI(3,4,5)P3.,PTM:Acetylation stimulates the transcriptional activity.,similarity:Belongs to the nuclear hormone receptor family.,similarity:Belongs to the nuclear hormone receptor family. NR5 subfamily.,similarity:Contains 1 nuclear receptor DNA-binding domain.,subunit:Binds DNA as a monomer. Interacts with NR0B2 and PPARGC1A (By similarity). Part of a complex consisting of SFPQ, NONO and NR5A1/SF-1. Interacts with NCOA2.,

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## | Validation Data



Western Blot analysis of various, using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000

## Contact information

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**STF-1 (Phospho Ser203) Rabbit pAb**

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