

## Product Datasheet

### MST4/STK26 Antibody (orb1291729)

|                            |   |
|----------------------------|---|
| <b>Catalog Number</b>      | orb1291729  |
| <b>Category</b>            | Antibodies  |
| <b>Description</b>         | Anti-MST4/STK26 Antibody. Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Rat.   |
| <b>Clonality</b>           | Polyclonal  |
| <b>Species/Host</b>        | Rabbit  |
| <b>Isotype</b>             | Rabbit IgG  |
| <b>Conjugation</b>         | Unconjugated  |
| <b>Reactivity</b>          | Human, Rat  |
| <b>Form/Appearance</b>     | Lyophilized   |
| <b>Concentration</b>       | Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.   |
| <b>Purification</b>        | Immunogen affinity purified.  |
| <b>Immunogen</b>           | E.coli-derived human MST4/STK26 recombinant protein (Position: K233-P416).  |
| <b>UniProt ID</b>          | <a href="#">Q9P289</a>  |
| <b>MW</b>                  | 52 kDa  |
| <b>Tested applications</b> | ELISA, FC, IHC, WB  |
| <b>Application notes</b>   | Western blot, 0.25-0.5 µg/ml, Human, Rat Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/ml, Human Flow Cytometry (Fixed), 1-3 µg/1x10 <sup>6</sup> cells, Human ELISA, 0.1-0.5 µg/ml, -. Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml |

**biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

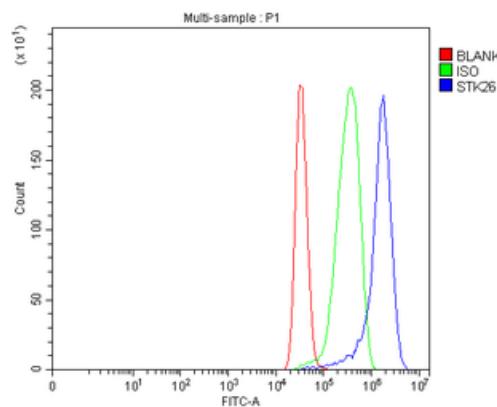
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

**biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713  
United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

|                         |   |
|-------------------------|---|
| <b>Cross Reactivity</b> | No cross-reactivity with other proteins.  |
| <b>Antibody Type</b>    | Primary Antibody  |
| <b>Storage</b>          | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| <b>Note</b>             | For research use only   |



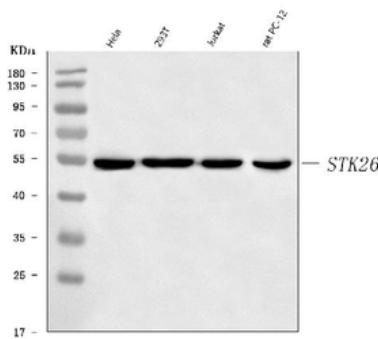
Flow Cytometry analysis of MCF-7 cells using anti-MST4/STK26 antibody. Overlay histogram showing MCF-7 cells (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MST4/STK26 Antibody (1  $\mu$ g/1x10 $^6$  cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10  $\mu$ g/1x10 $^6$  cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1  $\mu$ g/1x10 $^6$ ) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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Western blot analysis of MST4/STK26 using anti-MST4/STK26 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: human Jurkat whole cell lysates, Lane 4: rat PC-12 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MST4/STK26 antigen affinity purified polyclonal antibody at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MST4/STK26 at approximately 52 kDa. The expected band size for MST4/STK26 is at 47 kDa.

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Cambridge  
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