

## Product Datasheet

# Phospho-TAK1 (Thr187) Rabbit Polyclonal Antibody (orb7049)

|                            |   |
|----------------------------|---|
| <b>Description</b>         | Phospho-TAK1 (Thr187) Rabbit Polyclonal Antibody  |
| <b>Species/Host</b>        | Rabbit  |
| <b>Reactivity</b>          | Human, Mouse, Rat   |
| <b>Conjugation</b>         | Unconjugated  |
| <b>Tested Applications</b> | FC, IF, IHC-Fr, IHC-P, WB   |
| <b>Immunogen</b>           | KLH conjugated Synthesised phosphopeptide derived from human TAK1 around the phosphorylation site of Thr187 HM(p-T)NN                   |
| <b>Target</b>              | MAP3K7  |
| <b>Preservatives</b>       | 0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.  |
| <b>Form/Appearance</b>     | Liquid  |
| <b>Concentration</b>       | 1mg/ml  |
| <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   |
| <b>Isotype</b>             | IgG   |
| <b>Clonality</b>           | Polyclonal  |
| <b>MW</b>                  | 67 kDa  |
| <b>Uniprot ID</b>          | <b>O43318</b>   |

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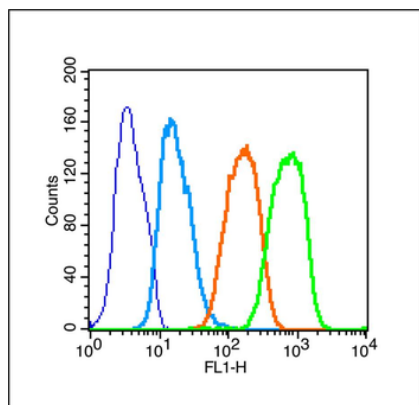
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**Dilution Range**

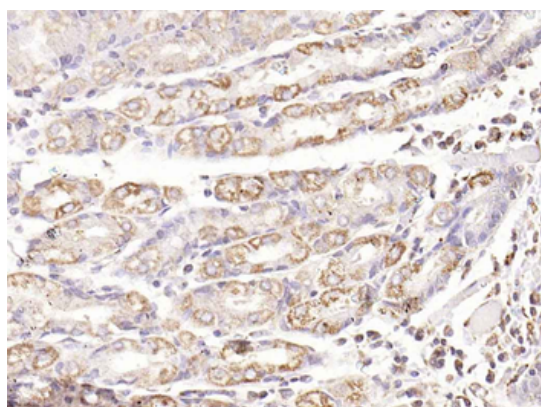
WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=1µg/Test

**Expiration Date**

12 months from date of receipt.



Blank control (Black line): Raji (Black). Primary Antibody (green line): Rabbit Anti-Phospho-TAK1 (Thr187) antibody (orb7049), dilution: 1 µg/10<sup>6</sup> cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, dilution: 1 µg/Test. Protocol, The cells were fixed with 70% ice-cold methanol overnight at 4°C and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature (The cells were fixed with 2% paraformaldehyde (10 min), then permeabilized with 90% ice-cold methanol for 20 min on ice.). Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1X PBS/2% BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



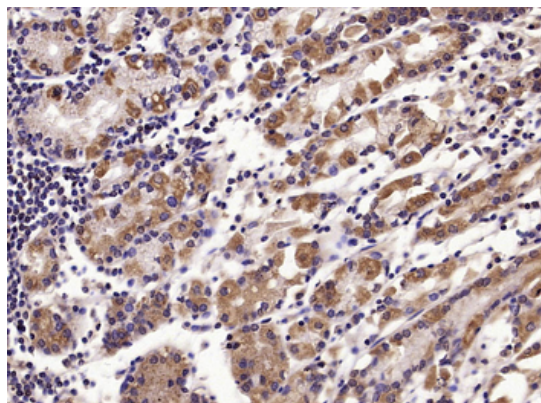
Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (Phospho-TAK1 (Thr187)) Polyclonal Antibody, Unconjugated (orb7049) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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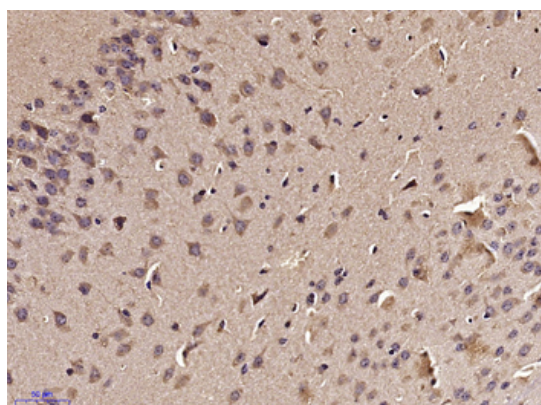
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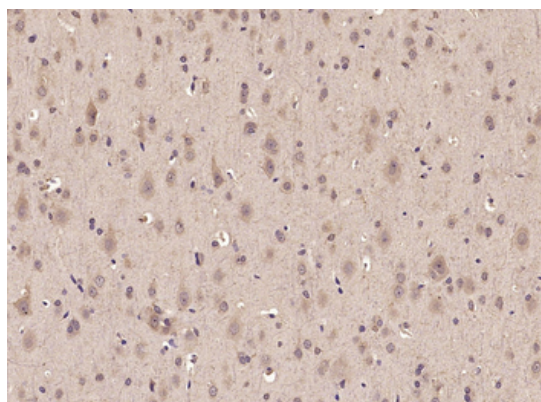
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Paraformaldehyde-fixed, paraffin embedded (Human stomach), Antigen retrieval by microwave in sodium citrate buffer (pH6.0), Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (3% BSA) at RT for 30 min, Antibody incubation with (Phospho-TAK1 (Thr187)) Polyclonal Antibody, Unconjugated (orb7049) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain), Antigen retrieval by microwave in sodium citrate buffer (pH6.0), Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (3% BSA) at RT for 30 min, Antibody incubation with (Phospho-TAK1 (Thr187)) Polyclonal Antibody, Unconjugated (orb7049) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



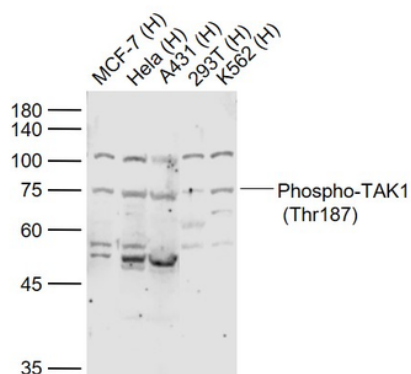
Paraformaldehyde-fixed, paraffin embedded (Rat brain), Antigen retrieval by microwave in sodium citrate buffer (pH6.0), Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (3% BSA) at RT for 30 min, Antibody incubation with (Phospho-TAK1 (Thr187)) Polyclonal Antibody, Unconjugated (orb7049) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.

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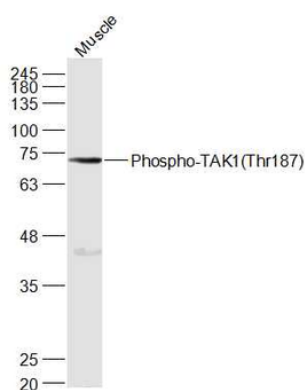
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Sample: Lane 1: MCF-7 (Human) Cell Lysate at 30 ug, Lane 2: HeLa (Human) Cell Lysate at 30 ug, Lane 3: A431 (Human) Cell Lysate at 30 ug, Lane 4: 293T (Human) Cell Lysate at 30 ug, Lane 5: K562 (Human) Cell Lysate at 30 ug, Primary: Anti-Phospho-TAK1 (Thr187) (orb7049) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 78 kD, Observed band size: 75 kD.



Sample: Muscle (Mouse) Lysate at 40 ug, Primary: Anti-Phospho-TAK1 (Thr187) (orb7049) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 67 kD, Observed band size: 70 kD.

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