**Product datasheet**

**Anti-STK25 antibody [EPR10306] ab157188**

**Overview**

**Product name**
Anti-STK25 antibody [EPR10306]

**Description**
Rabbit monoclonal [EPR10306] to STK25

**Host species**
Rabbit

**Tested applications**
Suitable for: WB, IHC-P, ICC/IF

**Unsuitable for:** Flow Cyt or IP

**Species reactivity**
Reacts with: Human

**Immunogen**
Synthetic peptide, corresponding to residues in Human STK25 (UniProt O00506).

**Positive control**
HeLa, HepG2, A431, fetal brain, Human testis and K562 lysates; Human heart tissue; HepG2 cells.

**General notes**
Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab® patents.

This product is a recombinant rabbit monoclonal antibody.

**Properties**

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Store at -20°C.

**Storage buffer**
Preservative: 0.01% Sodium azide
Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant

**Purity**
Tissue culture supernatant

**Clonality**
Monoclonal

**Clone number**
EPR10306

**Isotype**
IgG

**Applications**
Our Abpromise guarantee covers the use of **ab157188** in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td>star star star star star</td>
<td>1/1000 - 1/10000. Predicted molecular weight: 48 kDa.</td>
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<tr>
<td>IHC-P</td>
<td></td>
<td>1/50 - 1/100.</td>
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<tr>
<td>ICC/IF</td>
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<td>1/100 - 1/250.</td>
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</table>

**Application notes**
Is unsuitable for Flow Cyt or IP.

**Target**

**Function**
Oxidant stress-activated serine/threonine kinase that may play a role in the response to environmental stress. Targets to the Golgi apparatus where it appears to regulate protein transport events, cell adhesion, and polarity complexes important for cell migration.

**Tissue specificity**
Ubiquitously expressed. Highest levels are found in testis, large intestine, brain and stomach followed by heart and lung.

**Sequence similarities**
Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 protein kinase domain.

**Post-translational modifications**
Phosphorylated upon DNA damage, probably by ATM or ATR.

**Cellular localization**

**Images**

**All lanes** : Anti-STK25 antibody [EPR10306] (ab157188) at 1/1000 dilution

**Lane 1** : HeLa cell lysate
**Lane 2** : HepG2 cell lysate
**Lane 3** : A431 cell lysate
**Lane 4** : Human fetal brain lysate
**Lane 5** : Human testis lysate
**Lane 6** : K562 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes** : HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size**: 48 kDa
Immunohistochemical analysis of paraffin-embedded Human heart tissue labeling STK25 with ab157188 at 1/50 dilution.

Immunofluorescent analysis of HepG2 cells labeling STK25 with ab157188 at 1/100 dilution.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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