

Product datasheet

Anti-STK25 antibody [EPR10306] ab157188

Recombinant RabMAb

★ ★ ★ ★ ★ 1 Abreviews 2 References 4 Images

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 within Human STK25 aa 1-100 (N terminal). The exact sequence is proprietary.
Positive control	HeLa, HepG2, A431, fetal brain, Human testis and K562 lysates; Human heart tissue; HepG2 cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant

Clonality	Monoclonal
Clone number	EPR10306
Isotype	IgG

Applications

The Abpromise guarantee 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.

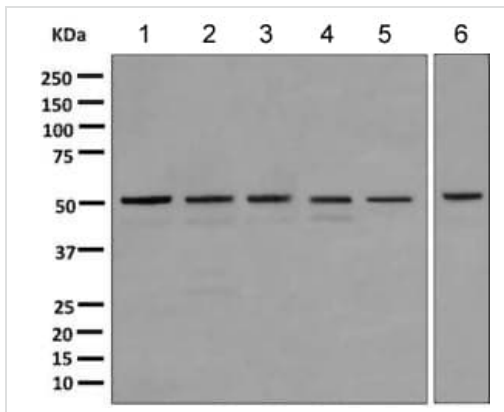
Application	Abreviews	Notes
WB	★ ★ ★ ★ ★ (1)	1/1000 - 1/10000. Predicted molecular weight: 48 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.

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	Cytoplasm. Golgi apparatus. Localizes to the Golgi apparatus.

Images



Western blot - Anti-STK25 antibody [EPR10306] (ab157188)

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

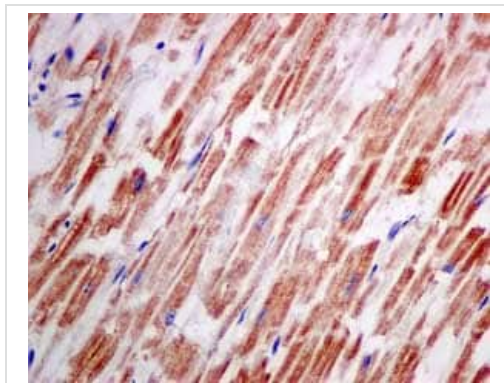
Lane 6 : K562 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

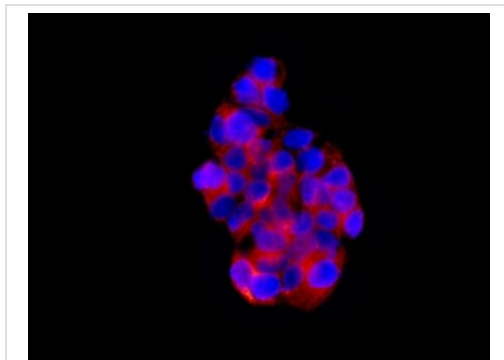
Predicted band size: 48 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STK25 antibody [EPR10306] (ab157188)

Immunohistochemical analysis of paraffin-embedded Human heart tissue labeling STK25 with ab157188 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-STK25 antibody [EPR10306] (ab157188)

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

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-STK25 antibody [EPR10306] (ab157188)

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

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